



# OI-7032 Modbus Register Map

| Register Address (Hexadecimal) | Register Address (Decimal) | Data Description         | R/W | Length (In Bits) | Units   | Valid Response        |
|--------------------------------|----------------------------|--------------------------|-----|------------------|---------|-----------------------|
| <b>Radio Data</b>              |                            |                          |     |                  |         |                       |
| 1                              | 1                          | Channel 1 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 2                              | 2                          | Channel 2 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 3                              | 3                          | Channel 3 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 4                              | 4                          | Channel 4 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 5                              | 5                          | Channel 5 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 6                              | 6                          | Channel 6 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 7                              | 7                          | Channel 7 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 8                              | 8                          | Channel 8 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| 9                              | 9                          | Channel 9 Radio Address  | R/W | 16               | INTEGER | Radio Address (1-255) |
| A                              | 10                         | Channel 10 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| B                              | 11                         | Channel 11 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| C                              | 12                         | Channel 12 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| D                              | 13                         | Channel 13 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| E                              | 14                         | Channel 14 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| F                              | 15                         | Channel 15 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 10                             | 16                         | Channel 16 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 11                             | 17                         | Channel 17 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 12                             | 18                         | Channel 18 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 13                             | 19                         | Channel 19 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 14                             | 20                         | Channel 20 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 15                             | 21                         | Channel 21 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 16                             | 22                         | Channel 22 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 17                             | 23                         | Channel 23 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 18                             | 24                         | Channel 24 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 19                             | 25                         | Channel 25 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 1A                             | 26                         | Channel 26 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 1B                             | 27                         | Channel 27 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 1C                             | 28                         | Channel 28 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 1D                             | 29                         | Channel 29 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 1E                             | 30                         | Channel 30 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |
| 1F                             | 31                         | Channel 31 Radio Address | R/W | 16               | INTEGER | Radio Address (1-255) |

|    |     |                          |     |    |             |                                |
|----|-----|--------------------------|-----|----|-------------|--------------------------------|
| 20 | 32  | Channel 32 Radio Address | R/W | 16 | INTEGER     | Radio Address (1-255)          |
| 21 | 33  | Channel 1 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 23 | 35  | Channel 2 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 25 | 37  | Channel 3 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 27 | 39  | Channel 4 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 29 | 41  | Channel 5 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 2B | 43  | Channel 6 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 2D | 45  | Channel 7 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 2F | 47  | Channel 8 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 31 | 49  | Channel 9 Reading        | R   | 32 | FLOAT       | Any valid sensor reading       |
| 33 | 51  | Channel 10 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 35 | 53  | Channel 11 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 37 | 55  | Channel 12 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 39 | 57  | Channel 13 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 3B | 59  | Channel 14 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 3D | 61  | Channel 15 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 3F | 63  | Channel 16 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 41 | 65  | Channel 17 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 43 | 67  | Channel 18 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 45 | 69  | Channel 19 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 47 | 71  | Channel 20 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 49 | 73  | Channel 21 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 4B | 75  | Channel 22 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 4D | 77  | Channel 23 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 4F | 79  | Channel 24 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 51 | 81  | Channel 25 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 53 | 83  | Channel 26 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 55 | 85  | Channel 27 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 57 | 87  | Channel 28 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 59 | 89  | Channel 29 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 5B | 91  | Channel 30 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 5D | 93  | Channel 31 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 5F | 95  | Channel 32 Reading       | R   | 32 | FLOAT       | Any valid sensor reading       |
| 61 | 97  | Channel 1 Mode           | R   | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 62 | 98  | Channel 2 Mode           | R   | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 63 | 99  | Channel 3 Mode           | R   | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 64 | 100 | Channel 4 Mode           | R   | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 65 | 101 | Channel 5 Mode           | R   | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 66 | 102 | Channel 6 Mode           | R   | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |

|    |     |                    |   |    |             |                                |
|----|-----|--------------------|---|----|-------------|--------------------------------|
| 67 | 103 | Channel 7 Mode     | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 68 | 104 | Channel 8 Mode     | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 69 | 105 | Channel 9 Mode     | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 6A | 106 | Channel 10 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 6B | 107 | Channel 11 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 6C | 108 | Channel 12 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 6D | 109 | Channel 13 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 6E | 110 | Channel 14 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 6F | 111 | Channel 15 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 70 | 112 | Channel 16 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 71 | 113 | Channel 17 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 72 | 114 | Channel 18 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 73 | 115 | Channel 19 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 74 | 116 | Channel 20 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 75 | 117 | Channel 21 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 76 | 118 | Channel 22 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 77 | 119 | Channel 23 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 78 | 120 | Channel 24 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 79 | 121 | Channel 25 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 7A | 122 | Channel 26 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 7B | 123 | Channel 27 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 7C | 124 | Channel 28 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 7D | 125 | Channel 29 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 7E | 126 | Channel 30 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 7F | 127 | Channel 31 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 80 | 128 | Channel 32 Mode    | R | 16 | ENUMERATION | 0-7 See Mode Enumeration Below |
| 81 | 129 | Channel 1 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 83 | 131 | Channel 2 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 85 | 133 | Channel 3 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 87 | 135 | Channel 4 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 89 | 137 | Channel 5 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 8B | 139 | Channel 6 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 8D | 141 | Channel 7 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 8F | 143 | Channel 8 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 91 | 145 | Channel 9 Battery  | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 93 | 147 | Channel 10 Battery | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 95 | 149 | Channel 11 Battery | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 97 | 151 | Channel 12 Battery | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |
| 99 | 153 | Channel 13 Battery | R | 32 | FLOAT       | Sensor Input Voltage( >= 0.0)  |

|    |     |                                   |   |    |         |  |
|----|-----|-----------------------------------|---|----|---------|--|
| 9B | 155 | Channel 14 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| 9D | 157 | Channel 15 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| 9F | 159 | Channel 16 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| A1 | 161 | Channel 17 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| A3 | 163 | Channel 18 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| A5 | 165 | Channel 19 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| A7 | 167 | Channel 20 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| A9 | 169 | Channel 21 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| AB | 171 | Channel 22 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| AD | 173 | Channel 23 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| AF | 175 | Channel 24 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| B1 | 177 | Channel 25 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| B3 | 179 | Channel 26 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| B5 | 181 | Channel 27 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| B7 | 183 | Channel 28 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| B9 | 185 | Channel 29 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| BB | 187 | Channel 30 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| BD | 189 | Channel 31 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| BF | 191 | Channel 32 Battery                | R | 32 | FLOAT   | Sensor Input Voltage( >= 0.0)                                |
| C1 | 193 | Channel 1 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C2 | 194 | Channel 2 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C3 | 195 | Channel 3 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C4 | 196 | Channel 4 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C5 | 197 | Channel 5 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C6 | 198 | Channel 6 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C7 | 199 | Channel 7 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C8 | 200 | Channel 8 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| C9 | 201 | Channel 9 Sec Since Last Message  | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| CA | 202 | Channel 10 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| CB | 203 | Channel 11 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| CC | 204 | Channel 12 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| CD | 205 | Channel 13 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| CE | 206 | Channel 14 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| CF | 207 | Channel 15 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D0 | 208 | Channel 16 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D1 | 209 | Channel 17 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D2 | 210 | Channel 18 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D3 | 211 | Channel 19 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D4 | 212 | Channel 20 Sec Since Last Message | R | 16 | INTEGER | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |

|    |     |                                   |   |    |             |  |
|----|-----|-----------------------------------|---|----|-------------|--|
| D5 | 213 | Channel 21 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D6 | 214 | Channel 22 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D7 | 215 | Channel 23 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D8 | 216 | Channel 24 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| D9 | 217 | Channel 25 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| DA | 218 | Channel 26 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| DB | 219 | Channel 27 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| DC | 220 | Channel 28 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| DD | 221 | Channel 29 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| DE | 222 | Channel 30 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| DF | 223 | Channel 31 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| E0 | 224 | Channel 32 Sec Since Last Message | R | 16 | INTEGER     | -1-32768 Seconds, -1 = no transmissions. Staying 0 = timeout |
| E1 | 225 | Channel 1 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E2 | 226 | Channel 2 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E3 | 227 | Channel 3 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E4 | 228 | Channel 4 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E5 | 229 | Channel 5 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E6 | 230 | Channel 6 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E7 | 231 | Channel 7 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E8 | 232 | Channel 8 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| E9 | 233 | Channel 9 Sensor Type             | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| EA | 234 | Channel 10 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| EB | 235 | Channel 11 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| EC | 236 | Channel 12 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| ED | 237 | Channel 13 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| EE | 238 | Channel 14 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| EF | 239 | Channel 15 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F0 | 240 | Channel 16 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F1 | 241 | Channel 17 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F2 | 242 | Channel 18 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F3 | 243 | Channel 19 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F4 | 244 | Channel 20 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F5 | 245 | Channel 21 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F6 | 246 | Channel 22 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F7 | 247 | Channel 23 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F8 | 248 | Channel 24 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| F9 | 249 | Channel 25 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| FA | 250 | Channel 26 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |
| FB | 251 | Channel 27 Sensor Type            | R | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                       |

|     |     |                        |      |    |             |   |
|-----|-----|------------------------|------|----|-------------|---|
| FC  | 252 | Channel 28 Sensor Type | R    | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                    |
| FD  | 253 | Channel 29 Sensor Type | R    | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                    |
| FE  | 254 | Channel 30 Sensor Type | R    | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                    |
| FF  | 255 | Channel 31 Sensor Type | R    | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                    |
| 100 | 256 | Channel 32 Sensor Type | R    | 16 | ENUMERATION | 0-31 See Sensor Type Enumeration Below                    |
| 101 | 257 | Channel 1 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 102 | 258 | Channel 2 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 103 | 259 | Channel 3 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 104 | 260 | Channel 4 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 105 | 261 | Channel 5 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 106 | 262 | Channel 6 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 107 | 263 | Channel 7 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 108 | 264 | Channel 8 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 109 | 265 | Channel 9 Gas Type     | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 10A | 266 | Channel 10 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 10B | 267 | Channel 11 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 10C | 268 | Channel 12 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 10D | 269 | Channel 13 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 10E | 270 | Channel 14 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 10F | 271 | Channel 15 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 110 | 272 | Channel 16 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 111 | 273 | Channel 17 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 112 | 274 | Channel 18 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 113 | 275 | Channel 19 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 114 | 276 | Channel 20 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 115 | 277 | Channel 21 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 116 | 278 | Channel 22 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 117 | 279 | Channel 23 Gas type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 118 | 280 | Channel 24 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 119 | 281 | Channel 25 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 11A | 282 | Channel 26 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 11B | 283 | Channel 27 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 11C | 284 | Channel 28 Gas Type    | R    | 16 | ENUMERATION | 0-127 See Gas Enumeration below                           |
| 11D | 285 | Channel 29 Gas Type    | R/W* | 16 | ENUMERATION | 0-127 See Gas Enumeration below *Writable if set to Wired |
| 11E | 286 | Channel 30 Gas Type    | R/W* | 16 | ENUMERATION | 0-127 See Gas Enumeration below *Writable if set to Wired |
| 11F | 287 | Channel 31 Gas Type    | R/W* | 16 | ENUMERATION | 0-127 See Gas Enumeration below *Writable if set to Wired |
| 120 | 288 | Channel 32 Gas Type    | R/W* | 16 | ENUMERATION | 0-127 See Gas Enumeration below *Writable if set to Wired |
| 121 | 289 | Channel 1 Fault        | R    | 16 | ENUMERATION | 0-15 See Fault Enumeration below                          |
| 122 | 290 | Channel 2 Fault        | R    | 16 | ENUMERATION | 0-15 See Fault Enumeration below                          |

|     |     |                  |     |    |             |                                  |
|-----|-----|------------------|-----|----|-------------|----------------------------------|
| 123 | 291 | Channel 3 Fault  | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 124 | 292 | Channel 4 Fault  | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 125 | 293 | Channel 5 Fault  | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 126 | 294 | Channel 6 Fault  | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 127 | 295 | Channel 7 Fault  | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 128 | 296 | Channel 8 Fault  | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 129 | 297 | Channel 9 Fault  | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 12A | 298 | Channel 10 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 12B | 299 | Channel 11 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 12C | 300 | Channel 12 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 12D | 301 | Channel 13 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 12E | 302 | Channel 14 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 12F | 303 | Channel 15 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 130 | 304 | Channel 16 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 131 | 305 | Channel 17 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 132 | 306 | Channel 18 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 133 | 307 | Channel 19 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 134 | 308 | Channel 20 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 135 | 309 | Channel 21 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 136 | 310 | Channel 22 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 137 | 311 | Channel 23 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 138 | 312 | Channel 24 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 139 | 313 | Channel 25 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 13A | 314 | Channel 26 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 13B | 315 | Channel 27 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 13C | 316 | Channel 28 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 13D | 317 | Channel 29 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 13E | 318 | Channel 30 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 13F | 319 | Channel 31 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 140 | 320 | Channel 32 Fault | R   | 16 | ENUMERATION | 0-15 See Fault Enumeration below |
| 141 | 321 | Channel 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 142 | 322 | Channel 2 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 143 | 323 | Channel 3 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 144 | 324 | Channel 4 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 145 | 325 | Channel 5 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 146 | 326 | Channel 6 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 147 | 327 | Channel 7 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 148 | 328 | Channel 8 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 149 | 329 | Channel 9 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |

|     |     |                           |     |    |             |                                |
|-----|-----|---------------------------|-----|----|-------------|--------------------------------|
| 14A | 330 | Channel 10 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 14B | 331 | Channel 11 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 14C | 332 | Channel 12 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 14D | 333 | Channel 13 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 14E | 334 | Channel 14 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 14F | 335 | Channel 15 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 150 | 336 | Channel 16 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 151 | 337 | Channel 17 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 152 | 338 | Channel 18 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 153 | 339 | Channel 19 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 154 | 340 | Channel 20 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 155 | 341 | Channel 21 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 156 | 342 | Channel 22 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 157 | 343 | Channel 23 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 158 | 344 | Channel 24 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 159 | 345 | Channel 25 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 15A | 346 | Channel 26 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 15B | 347 | Channel 27 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 15C | 348 | Channel 28 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 15D | 349 | Channel 29 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 15E | 350 | Channel 30 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 15F | 351 | Channel 31 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 160 | 352 | Channel 32 On/Off         | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 161 | 353 | Channel 1 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 162 | 354 | Channel 2 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 163 | 355 | Channel 3 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 164 | 356 | Channel 4 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 165 | 357 | Channel 5 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 166 | 358 | Channel 6 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 167 | 359 | Channel 7 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 168 | 360 | Channel 8 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 169 | 361 | Channel 9 Relay 1 On/Off  | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 16A | 362 | Channel 10 Relay 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 16B | 363 | Channel 11 Relay 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 16C | 364 | Channel 12 Relay 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 16D | 365 | Channel 13 Relay 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 16E | 366 | Channel 14 Relay 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 16F | 367 | Channel 15 Relay 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |
| 170 | 368 | Channel 16 Relay 1 On/Off | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on |



|     |     |                             |     |    |             |                                  |
|-----|-----|-----------------------------|-----|----|-------------|----------------------------------|
| 171 | 369 | Channel 17 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 172 | 370 | Channel 18 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 173 | 371 | Channel 19 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 174 | 372 | Channel 20 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 175 | 373 | Channel 21 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 176 | 374 | Channel 22 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 177 | 375 | Channel 23 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 178 | 376 | Channel 24 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 179 | 377 | Channel 25 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 17A | 378 | Channel 26 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 17B | 379 | Channel 27 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 17C | 380 | Channel 28 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 17D | 381 | Channel 29 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 17E | 382 | Channel 30 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 17F | 383 | Channel 31 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 180 | 384 | Channel 32 Relay 1 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 181 | 385 | Channel 1 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 182 | 386 | Channel 2 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 183 | 387 | Channel 3 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 184 | 388 | Channel 4 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 185 | 389 | Channel 5 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 186 | 390 | Channel 6 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 187 | 391 | Channel 7 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 188 | 392 | Channel 8 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 189 | 393 | Channel 9 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 18A | 394 | Channel 10 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 18B | 395 | Channel 11 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 18C | 396 | Channel 12 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 18D | 397 | Channel 13 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 18E | 398 | Channel 14 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 18F | 399 | Channel 15 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 190 | 400 | Channel 16 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 191 | 401 | Channel 17 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 192 | 402 | Channel 18 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 193 | 403 | Channel 19 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 194 | 404 | Channel 20 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 195 | 405 | Channel 21 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 196 | 406 | Channel 22 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 197 | 407 | Channel 23 Relay 1 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |

|     |     |                              |     |    |             |  |
|-----|-----|------------------------------|-----|----|-------------|--|
| 198 | 408 | Channel 24 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 199 | 409 | Channel 25 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 19A | 410 | Channel 26 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 19B | 411 | Channel 27 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 19C | 412 | Channel 28 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 19D | 413 | Channel 29 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 19E | 414 | Channel 30 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 19F | 415 | Channel 31 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 1A0 | 416 | Channel 32 Relay 1 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 1A1 | 417 | Channel 1 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1A3 | 419 | Channel 2 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1A5 | 421 | Channel 3 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1A7 | 423 | Channel 4 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1A9 | 425 | Channel 5 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1AB | 427 | Channel 6 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1AD | 429 | Channel 7 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1AF | 431 | Channel 8 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1B1 | 433 | Channel 9 Relay 1 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1B3 | 435 | Channel 10 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1B5 | 437 | Channel 11 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1B7 | 439 | Channel 12 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1B9 | 441 | Channel 13 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1BB | 443 | Channel 14 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1BD | 445 | Channel 15 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1BF | 447 | Channel 16 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1C1 | 449 | Channel 17 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1C3 | 451 | Channel 18 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1C5 | 453 | Channel 19 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1C7 | 455 | Channel 20 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1C9 | 457 | Channel 21 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1CB | 459 | Channel 22 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1CD | 461 | Channel 23 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1CF | 463 | Channel 24 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1D1 | 465 | Channel 25 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1D3 | 467 | Channel 26 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1D5 | 469 | Channel 27 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1D7 | 471 | Channel 28 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1D9 | 473 | Channel 29 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1DB | 475 | Channel 30 Relay 1 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |

|     |     |                                  |     |    |             |  |
|-----|-----|----------------------------------|-----|----|-------------|--|
| 1DD | 477 | Channel 31 Relay 1 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1DF | 479 | Channel 32 Relay 1 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 1E1 | 481 | Channel 1 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E2 | 482 | Channel 2 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E3 | 483 | Channel 3 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E4 | 484 | Channel 4 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E5 | 485 | Channel 5 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E6 | 486 | Channel 6 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E7 | 487 | Channel 7 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E8 | 488 | Channel 8 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1E9 | 489 | Channel 9 Relay 1 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1EA | 490 | Channel 10 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1EB | 491 | Channel 11 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1EC | 492 | Channel 12 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1ED | 493 | Channel 13 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1EE | 494 | Channel 14 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1EF | 495 | Channel 15 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F0 | 496 | Channel 16 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F1 | 497 | Channel 17 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F2 | 498 | Channel 18 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F3 | 499 | Channel 19 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F4 | 500 | Channel 20 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F5 | 501 | Channel 21 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F6 | 502 | Channel 22 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F7 | 503 | Channel 23 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F8 | 504 | Channel 24 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1F9 | 505 | Channel 25 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1FA | 506 | Channel 26 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1FB | 507 | Channel 27 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1FC | 508 | Channel 28 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1FD | 509 | Channel 29 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1FE | 510 | Channel 30 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 1FF | 511 | Channel 31 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 200 | 512 | Channel 32 Relay 1 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 201 | 513 | Channel 1 Relay 2 On/Off         | R/W | 16 | ENUMERATION | 0 - 1 ,0 means off, 1 means on             |
| 202 | 514 | Channel 2 Relay 2 On/Off         | R/W | 16 | ENUMERATION | 0 - 1 ,0 means off, 1 means on             |
| 203 | 515 | Channel 3 Relay 2 On/Off         | R/W | 16 | ENUMERATION | 0 - 1 ,0 means off, 1 means on             |
| 204 | 516 | Channel 4 Relay 2 On/Off         | R/W | 16 | ENUMERATION | 0 - 1 ,0 means off, 1 means on             |
| 205 | 517 | Channel 5 Relay 2 On/Off         | R/W | 16 | ENUMERATION | 0 - 1 ,0 means off, 1 means on             |

|     |     |                             |     |    |             |                                  |
|-----|-----|-----------------------------|-----|----|-------------|----------------------------------|
| 206 | 518 | Channel 6 Relay 2 On/Off    | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 207 | 519 | Channel 7 Relay 2 On/Off    | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 208 | 520 | Channel 8 Relay 2 On/Off    | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 209 | 521 | Channel 9 Relay 2 On/Off    | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 20A | 522 | Channel 10 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 20B | 523 | Channel 11 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 20C | 524 | Channel 12 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 20D | 525 | Channel 13 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 20E | 526 | Channel 14 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 20F | 527 | Channel 15 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 210 | 528 | Channel 16 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 211 | 529 | Channel 17 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 212 | 530 | Channel 18 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 213 | 531 | Channel 19 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 214 | 532 | Channel 20 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 215 | 533 | Channel 21 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 216 | 534 | Channel 22 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 217 | 535 | Channel 23 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 218 | 536 | Channel 24 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 219 | 537 | Channel 25 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 21A | 538 | Channel 26 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 21B | 539 | Channel 27 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 21C | 540 | Channel 28 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 21D | 541 | Channel 29 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 21E | 542 | Channel 30 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 21F | 543 | Channel 31 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 220 | 544 | Channel 32 Relay 2 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 221 | 545 | Channel 1 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 222 | 546 | Channel 2 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 223 | 547 | Channel 3 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 224 | 548 | Channel 4 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 225 | 549 | Channel 5 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 226 | 550 | Channel 6 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 227 | 551 | Channel 7 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 228 | 552 | Channel 8 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 229 | 553 | Channel 9 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 22A | 554 | Channel 10 Relay 2 High/Low | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 22B | 555 | Channel 11 Relay 2 High/Low | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |
| 22C | 556 | Channel 12 Relay 2 High/Low | R/W | 16 | ENUMERATION | 0 - 1, 0 means low, 1 means high |

|     |     |                              |     |    |             |  |
|-----|-----|------------------------------|-----|----|-------------|--|
| 22D | 557 | Channel 13 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 22E | 558 | Channel 14 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 22F | 559 | Channel 15 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 230 | 560 | Channel 16 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 231 | 561 | Channel 17 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 232 | 562 | Channel 18 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 233 | 563 | Channel 19 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 234 | 564 | Channel 20 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 235 | 565 | Channel 21 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 236 | 566 | Channel 22 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 237 | 567 | Channel 23 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 238 | 568 | Channel 24 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 239 | 569 | Channel 25 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 23A | 570 | Channel 26 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 23B | 571 | Channel 27 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 23C | 572 | Channel 28 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 23D | 573 | Channel 29 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 23E | 574 | Channel 30 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 23F | 575 | Channel 31 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 240 | 576 | Channel 32 Relay 2 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 241 | 577 | Channel 1 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 243 | 579 | Channel 2 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 245 | 581 | Channel 3 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 247 | 583 | Channel 4 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 249 | 585 | Channel 5 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 24B | 587 | Channel 6 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 24D | 589 | Channel 7 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 24F | 591 | Channel 8 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 251 | 593 | Channel 9 Relay 2 Set Point  | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 253 | 595 | Channel 10 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 255 | 597 | Channel 11 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 257 | 599 | Channel 12 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 259 | 601 | Channel 13 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 25B | 603 | Channel 14 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 25D | 605 | Channel 15 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 25F | 607 | Channel 16 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 261 | 609 | Channel 17 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 263 | 611 | Channel 18 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 265 | 613 | Channel 19 Relay 2 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |

|     |     |                                  |     |    |             |  |
|-----|-----|----------------------------------|-----|----|-------------|--|
| 267 | 615 | Channel 20 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 269 | 617 | Channel 21 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 26B | 619 | Channel 22 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 26D | 621 | Channel 23 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 26F | 623 | Channel 24 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 271 | 625 | Channel 25 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 273 | 627 | Channel 26 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 275 | 629 | Channel 27 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 277 | 631 | Channel 28 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 279 | 633 | Channel 29 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 27B | 635 | Channel 30 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 27D | 637 | Channel 31 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 27F | 639 | Channel 32 Relay 2 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 281 | 641 | Channel 1 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 282 | 642 | Channel 2 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 283 | 643 | Channel 3 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 284 | 644 | Channel 4 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 285 | 645 | Channel 5 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 286 | 646 | Channel 6 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 287 | 647 | Channel 7 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 288 | 648 | Channel 8 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 289 | 649 | Channel 9 Relay 2 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 28A | 650 | Channel 10 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 28B | 651 | Channel 11 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 28C | 652 | Channel 12 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 28D | 653 | Channel 13 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 28E | 654 | Channel 14 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 28F | 655 | Channel 15 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 290 | 656 | Channel 16 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 291 | 657 | Channel 17 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 292 | 658 | Channel 18 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 293 | 659 | Channel 19 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 294 | 660 | Channel 20 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 295 | 661 | Channel 21 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 296 | 662 | Channel 22 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 297 | 663 | Channel 23 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 298 | 664 | Channel 24 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 299 | 665 | Channel 25 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 29A | 666 | Channel 26 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |

|     |     |                                  |     |    |             |                                       |
|-----|-----|----------------------------------|-----|----|-------------|---------------------------------------|
| 29B | 667 | Channel 27 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 29C | 668 | Channel 28 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 29D | 669 | Channel 29 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 29E | 670 | Channel 30 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 29F | 671 | Channel 31 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 2A0 | 672 | Channel 32 Relay 2 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 2A1 | 673 | Channel 1 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A2 | 674 | Channel 2 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A3 | 675 | Channel 3 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A4 | 676 | Channel 4 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A5 | 677 | Channel 5 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A6 | 678 | Channel 6 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A7 | 679 | Channel 7 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A8 | 680 | Channel 8 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2A9 | 681 | Channel 9 Relay 3 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2AA | 682 | Channel 10 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2AB | 683 | Channel 11 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2AC | 684 | Channel 12 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2AD | 685 | Channel 13 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2AE | 686 | Channel 14 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2AF | 687 | Channel 15 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B0 | 688 | Channel 16 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B1 | 689 | Channel 17 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B2 | 690 | Channel 18 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B3 | 691 | Channel 19 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B4 | 692 | Channel 20 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B5 | 693 | Channel 21 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B6 | 694 | Channel 22 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B7 | 695 | Channel 23 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B8 | 696 | Channel 24 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2B9 | 697 | Channel 25 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2BA | 698 | Channel 26 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2BB | 699 | Channel 27 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2BC | 700 | Channel 28 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2BD | 701 | Channel 29 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2BE | 702 | Channel 30 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2BF | 703 | Channel 31 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2C0 | 704 | Channel 32 Relay 3 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 2C1 | 705 | Channel 1 Relay 3 High/Low       | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high      |

|     |     |                             |     |    |             |  |
|-----|-----|-----------------------------|-----|----|-------------|--|
| 2C2 | 706 | Channel 2 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2C3 | 707 | Channel 3 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2C4 | 708 | Channel 4 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2C5 | 709 | Channel 5 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2C6 | 710 | Channel 6 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2C7 | 711 | Channel 7 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2C8 | 712 | Channel 8 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2C9 | 713 | Channel 9 Relay 3 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2CA | 714 | Channel 10 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2CB | 715 | Channel 11 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2CC | 716 | Channel 12 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2CD | 717 | Channel 13 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2CE | 718 | Channel 14 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2CF | 719 | Channel 15 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D0 | 720 | Channel 16 Relay 3High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D1 | 721 | Channel 17 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D2 | 722 | Channel 18 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D3 | 723 | Channel 19 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D4 | 724 | Channel 20 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D5 | 725 | Channel 21 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D6 | 726 | Channel 22 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D7 | 727 | Channel 23 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D8 | 728 | Channel 24 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2D9 | 729 | Channel 25 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2DA | 730 | Channel 26 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2DB | 731 | Channel 27 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2DC | 732 | Channel 28 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2DD | 733 | Channel 29 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2DE | 734 | Channel 30 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2DF | 735 | Channel 31 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2E0 | 736 | Channel 32 Relay 3 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 2E1 | 737 | Channel 1 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2E3 | 739 | Channel 2 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2E5 | 741 | Channel 3 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2E7 | 743 | Channel 4 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2E9 | 745 | Channel 5 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2EB | 747 | Channel 6 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2ED | 749 | Channel 7 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2EF | 751 | Channel 8 Relay 3 Set Point | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |



|     |     |                                  |     |    |             |  |
|-----|-----|----------------------------------|-----|----|-------------|--|
| 2F1 | 753 | Channel 9 Relay 3 Set Point      | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2F3 | 755 | Channel 10 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2F5 | 757 | Channel 11 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2F7 | 759 | Channel 12 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2F9 | 761 | Channel 13 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2FB | 763 | Channel 14 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2FD | 765 | Channel 15 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 2FF | 767 | Channel 16 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 301 | 769 | Channel 17 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 303 | 771 | Channel 18 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 305 | 773 | Channel 19 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 307 | 775 | Channel 20 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 309 | 777 | Channel 21 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 30B | 779 | Channel 22 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 30D | 781 | Channel 23 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 30F | 783 | Channel 24 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 311 | 785 | Channel 25 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 313 | 787 | Channel 26 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 315 | 789 | Channel 27 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 317 | 791 | Channel 28 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 319 | 793 | Channel 29 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 31B | 795 | Channel 30 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 31D | 797 | Channel 31 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 31F | 799 | Channel 32 Relay 3 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 321 | 801 | Channel 1 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 322 | 802 | Channel 2 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 323 | 803 | Channel 3 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 324 | 804 | Channel 4 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 325 | 805 | Channel 5 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 326 | 806 | Channel 6 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 327 | 807 | Channel 7 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 328 | 808 | Channel 8 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 329 | 809 | Channel 9 Relay 3 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 32A | 810 | Channel 10 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 32B | 811 | Channel 11 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 32C | 812 | Channel 12 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 32D | 813 | Channel 13 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 32E | 814 | Channel 14 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 32F | 815 | Channel 15 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |

|     |     |                                  |     |    |             |                                       |
|-----|-----|----------------------------------|-----|----|-------------|---------------------------------------|
| 330 | 816 | Channel 16 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 331 | 817 | Channel 17 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 332 | 818 | Channel 18 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 333 | 819 | Channel 19 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 334 | 820 | Channel 20 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 335 | 821 | Channel 21 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 336 | 822 | Channel 22 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 337 | 823 | Channel 23 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 338 | 824 | Channel 24 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 339 | 825 | Channel 25 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 33A | 826 | Channel 26 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 33B | 827 | Channel 27 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 33C | 828 | Channel 28 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 33D | 829 | Channel 29 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 33E | 830 | Channel 30 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 33F | 831 | Channel 31 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 340 | 832 | Channel 32 Relay 3 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1, 0 means unlatch, 1 means latch |
| 341 | 833 | Channel 1 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 342 | 834 | Channel 2 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 343 | 835 | Channel 3 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 344 | 836 | Channel 4 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 345 | 837 | Channel 5 Relay 4 On/4ff         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 346 | 838 | Channel 6 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 347 | 839 | Channel 7 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 348 | 840 | Channel 8 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 349 | 841 | Channel 9 Relay 4 On/Off         | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 34A | 842 | Channel 10 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 34B | 843 | Channel 11 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 34C | 844 | Channel 12 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 34D | 845 | Channel 13 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 34E | 846 | Channel 14 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 34F | 847 | Channel 15 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 350 | 848 | Channel 16 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 351 | 849 | Channel 17 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 352 | 850 | Channel 18 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 353 | 851 | Channel 19 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 354 | 852 | Channel 20 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 355 | 853 | Channel 21 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |
| 356 | 854 | Channel 22 Relay 4 On/Off        | R/W | 16 | ENUMERATION | 0 - 1, 0 means off, 1 means on        |

|     |     |                             |     |    |             |                                  |
|-----|-----|-----------------------------|-----|----|-------------|----------------------------------|
| 357 | 855 | Channel 23 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 358 | 856 | Channel 24 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 359 | 857 | Channel 25 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 35A | 858 | Channel 26 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 35B | 859 | Channel 27 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 35C | 860 | Channel 28 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 35D | 861 | Channel 29 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 35E | 862 | Channel 30 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 35F | 863 | Channel 31 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 360 | 864 | Channel 32 Relay 4 On/Off   | R/W | 16 | ENUMERATION | 0 – 1, 0 means off, 1 means on   |
| 361 | 865 | Channel 1 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 362 | 866 | Channel 2 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 363 | 867 | Channel 3 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 364 | 868 | Channel 4 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 365 | 869 | Channel 5 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 366 | 870 | Channel 6 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 367 | 871 | Channel 7 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 368 | 872 | Channel 8 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 369 | 873 | Channel 9 Relay 4 High/Low  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 36A | 874 | Channel 10 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 36B | 875 | Channel 11 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 36C | 876 | Channel 12 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 36D | 877 | Channel 13 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 36E | 878 | Channel 14 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 36F | 879 | Channel 15 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 370 | 880 | Channel 16 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 371 | 881 | Channel 17 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 372 | 882 | Channel 18 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 373 | 883 | Channel 19 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 374 | 884 | Channel 20 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 375 | 885 | Channel 21 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 376 | 886 | Channel 22 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 377 | 887 | Channel 23 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 378 | 888 | Channel 24 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 379 | 889 | Channel 25 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 37A | 890 | Channel 26 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 37B | 891 | Channel 27 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 37C | 892 | Channel 28 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |
| 37D | 893 | Channel 29 Relay 4 High/Low | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high |

|     |     |                                 |     |    |             |  |
|-----|-----|---------------------------------|-----|----|-------------|--|
| 37E | 894 | Channel 30 Relay 4 High/Low     | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 37F | 895 | Channel 31 Relay 4 High/Low     | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 380 | 896 | Channel 32 Relay 4 High/Low     | R/W | 16 | ENUMERATION | 0 - 1 ,0 means low, 1 means high           |
| 381 | 897 | Channel 1 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 383 | 899 | Channel 2 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 385 | 901 | Channel 3 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 387 | 903 | Channel 4 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 389 | 905 | Channel 5 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 38B | 907 | Channel 6 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 38D | 909 | Channel 7 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 38F | 911 | Channel 8 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 391 | 913 | Channel 9 Relay 4 Set Point     | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 393 | 915 | Channel 10 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 395 | 917 | Channel 11 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 397 | 919 | Channel 12 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 399 | 921 | Channel 13 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 39B | 923 | Channel 14 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 39D | 925 | Channel 15 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 39F | 927 | Channel 16 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3A1 | 929 | Channel 17 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3A3 | 931 | Channel 18 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3A5 | 933 | Channel 19 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3A7 | 935 | Channel 20 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3A9 | 937 | Channel 21 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3AB | 939 | Channel 22 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3AD | 941 | Channel 23 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3AF | 943 | Channel 24 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3B1 | 945 | Channel 25 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3B3 | 947 | Channel 26 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3B5 | 949 | Channel 27 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3B7 | 951 | Channel 28 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3B9 | 953 | Channel 29 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3BB | 955 | Channel 30 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3BD | 957 | Channel 31 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3BF | 959 | Channel 32 Relay 4 Set Point    | R/W | 32 | FLOAT       | Any number 65000 or less and higher than 0 |
| 3C1 | 961 | Channel 1 Relay 4 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 3C2 | 962 | Channel 2 Relay 4 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 3C3 | 963 | Channel 3 Relay 4 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |
| 3C4 | 964 | Channel 4 Relay 4 Latch/Unlatch | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch      |

|     |      |                                   |     |    |             |                                       |
|-----|------|-----------------------------------|-----|----|-------------|---------------------------------------|
| 3C5 | 965  | Channel 5 Relay 4 Latch/Unlatch   | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3C6 | 966  | Channel 6 Relay 4 Latch/Unlatch   | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3C7 | 967  | Channel 7 Relay 4 Latch/Unlatch   | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3C8 | 968  | Channel 8 Relay 4 Latch/Unlatch   | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3C9 | 969  | Channel 9 Relay 4 Latch/Unlatch   | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3CA | 970  | Channel 10 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3CB | 971  | Channel 11 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3CC | 972  | Channel 12 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3CD | 973  | Channel 13 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3CE | 974  | Channel 14 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3CF | 975  | Channel 15 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D0 | 976  | Channel 16 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D1 | 977  | Channel 17 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D2 | 978  | Channel 18 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D3 | 979  | Channel 19 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D4 | 980  | Channel 20 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D5 | 981  | Channel 21 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D6 | 982  | Channel 22 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D7 | 983  | Channel 23 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D8 | 984  | Channel 24 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3D9 | 985  | Channel 25 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3DA | 986  | Channel 26 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3DB | 987  | Channel 27 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3DC | 988  | Channel 28 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3DD | 989  | Channel 29 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3DE | 990  | Channel 30 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3DF | 991  | Channel 31 Relay 4 Latch/Unlatch  | R/W | 16 | ENUMERATION | 0 - 1 ,0 means unlatch, 1 means latch |
| 3E0 | 992  | Channel 1 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E1 | 993  | Channel 2 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E2 | 994  | Channel 3 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E3 | 995  | Channel 4 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E4 | 996  | Channel 5 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E5 | 997  | Channel 6 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E6 | 998  | Channel 7 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E7 | 999  | Channel 8 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E8 | 1000 | Channel 9 Time Since Last Nulled  | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3E9 | 1001 | Channel 10 Time Since Last Nulled | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3EA | 1002 | Channel 11 Time Since Last Nulled | R   | 1  | UNIT        | Number of days since last nulled.     |
| 3EB | 1003 | Channel 12 Time Since Last Nulled | R   | 1  | UNIT        | Number of days since last nulled.     |

|     |      |                                       |   |   |      |                                       |
|-----|------|---------------------------------------|---|---|------|---------------------------------------|
| 3EC | 1004 | Channel 13 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3ED | 1005 | Channel 14 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3EE | 1006 | Channel 15 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3EF | 1007 | Channel 16 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F0 | 1008 | Channel 17 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F1 | 1009 | Channel 18 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F2 | 1010 | Channel 19 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F3 | 1011 | Channel 20 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F4 | 1012 | Channel 21 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F5 | 1013 | Channel 22 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F6 | 1014 | Channel 23 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F7 | 1015 | Channel 24 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F8 | 1016 | Channel 25 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3F9 | 1017 | Channel 26 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3FA | 1018 | Channel 27 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3FB | 1019 | Channel 28 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3FC | 1020 | Channel 29 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3FD | 1021 | Channel 30 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3FE | 1022 | Channel 31 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 3FF | 1023 | Channel 32 Time Since Last Nulled     | R | 1 | UNIT | Number of days since last nulled.     |
| 400 | 1024 | Channel 1 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 401 | 1025 | Channel 2 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 402 | 1026 | Channel 3 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 403 | 1027 | Channel 4 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 404 | 1028 | Channel 5 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 405 | 1029 | Channel 6 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 406 | 1030 | Channel 7 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 407 | 1031 | Channel 8 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 408 | 1032 | Channel 9 Time Since Last Calibrated  | R | 1 | UNIT | Number of days since last Calibrated. |
| 409 | 1033 | Channel 10 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 40A | 1034 | Channel 11 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 40B | 1035 | Channel 12 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 40C | 1036 | Channel 13 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 40D | 1037 | Channel 14 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 40E | 1038 | Channel 15 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 40F | 1039 | Channel 16 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 410 | 1040 | Channel 17 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 411 | 1041 | Channel 18 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |
| 412 | 1042 | Channel 19 Time Since Last Calibrated | R | 1 | UNIT | Number of days since last Calibrated. |

|  |      |                                       |     |    |             |   |
|--|------|---------------------------------------|-----|----|-------------|---|
| 413  | 1043 | Channel 20 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 414  | 1044 | Channel 21 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 415  | 1045 | Channel 22 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 416  | 1046 | Channel 23 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 417  | 1047 | Channel 24 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 418  | 1048 | Channel 25 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 419  | 1049 | Channel 26 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 41A  | 1050 | Channel 27 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 41B  | 1051 | Channel 28 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 41C  | 1052 | Channel 29 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 41D  | 1053 | Channel 30 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 41E  | 1054 | Channel 31 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 41F  | 1055 | Channel 32 Time Since Last Calibrated | R   | 1  | UNIT        | Number of days since last Calibrated.             |
| 420  | 1056 | Channel 29 Select Wired or Radio      | R/W | 1  | ENUMERATION | 0 - 1 ,0 means wired, 1 means radio               |
| 421  | 1057 | Channel 30 Select Wired or Radio      | R/W | 1  | ENUMERATION | 0 - 1 ,0 means wired, 1 means radio               |
| 422  | 1058 | Channel 31 Select Wired or Radio      | R/W | 1  | ENUMERATION | 0 - 1 ,0 means wired, 1 means radio               |
| 423  | 1059 | Channel 32 Select Wired or Radio      | R/W | 1  | ENUMERATION | 0 - 1 ,0 means wired, 1 means radio               |
| 424  | 1060 | Channel 29 Max Scale                  | R/W | 1  | UINT        | 1—65000   |
| 425  | 1061 | Channel 30 Max Scale                  | R/W | 1  | UINT        | 1—65000   |
| 426  | 1062 | Channel 31 Max Scale                  | R/W | 1  | UINT        | 1—65000   |
| 427  | 1063 | Channel 32 Max Scale                  | R/W | 1  | UINT        | 1—65000   |
| 428  | 1064 | Channel 29 Min Scale                  | R/W | 1  | INTEGER     | -70—0   |
| 429  | 1065 | Channel 30 Min Scale                  | R/W | 1  | INTEGER     | -70—0   |
| 42A  | 1066 | Channel 31 Min Scale                  | R/W | 1  | INTEGER     | -70—0   |
| 42B  | 1067 | Channel 32 Min Scale                  | R/W | 1  | INTEGER     | -70—0   |
| <b>Modbus and Build Data</b>                             |      |                                       |     |    |             |   |
| 1771   | 6001 | Modbus Address                        | R/W | 16 | INTEGER     | 1 – 247   |
| 1772   | 6002 | Modbus Baud Rate                      | R/W | 16 | INTEGER     | Any Valid Baud Rate. See Below.                   |
| 1773   | 6003 | Month                                 | R   | 16 | INTEGER     | 1 – 12  |
| 1774   | 6004 | Day                                   | R   | 16 | INTEGER     | 1 – 31  |
| 1775   | 6005 | Year                                  | R   | 16 | INTEGER     | 2009 –  |
| 1776   | 6006 | Serial Number Character               | R   | 16 | ENUMERATION | 0 – 52 See Serial Number below                    |
| 1776   | 6006 | Serial Number                         | R   | 32 | LONG INT    | 1 – 99999   |
| 17A5   | 6053 | Supply Voltage                        | R   | 32 | FLOAT       | Supply Voltage in Volts (Added in Firmware 4.1.3) |
| <b>Signal Strength (Section Added in Firmware 4.1.3)</b> |      |                                       |     |    |             |   |
| 1839   | 6201 | Channel 1 RSSI                        | R   | 16 | INTEGER     | 0-100% Receive Signal Strength                    |
| 183A   | 6202 | Channel 2 RSSI                        | R   | 16 | INTEGER     | 0-100% Receive Signal Strength                    |
| 183B   | 6203 | Channel 3 RSSI                        | R   | 16 | INTEGER     | 0-100% Receive Signal Strength                    |
| 183C   | 6204 | Channel 4 RSSI                        | R   | 16 | INTEGER     | 0-100% Receive Signal Strength                    |

|                         |      |                             |     |    |         |  |
|-------------------------|------|-----------------------------|-----|----|---------|--|
| 183D                    | 6205 | Channel 5 RSSI              | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 183E                    | 6206 | Channel 6 RSSI              | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 183F                    | 6207 | Channel 7 RSSI              | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1840                    | 6208 | Channel 8 RSSI              | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1841                    | 6209 | Channel 9 RSSI              | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1842                    | 6210 | Channel 10 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1843                    | 6211 | Channel 11 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1844                    | 6212 | Channel 12 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1845                    | 6213 | Channel 13 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1846                    | 6214 | Channel 14 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1847                    | 6215 | Channel 15 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1848                    | 6216 | Channel 16 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1849                    | 6217 | Channel 17 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 184A                    | 6218 | Channel 18 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 184B                    | 6219 | Channel 19 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 184C                    | 6220 | Channel 20 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 184D                    | 6221 | Channel 21 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 184E                    | 6222 | Channel 22 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 184F                    | 6223 | Channel 23 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1850                    | 6224 | Channel 24 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1851                    | 6225 | Channel 25 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1852                    | 6226 | Channel 26 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1853                    | 6227 | Channel 27 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1854                    | 6228 | Channel 28 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1855                    | 6229 | Channel 29 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1856                    | 6230 | Channel 30 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1857                    | 6231 | Channel 31 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| 1858                    | 6232 | Channel 32 RSSI             | R   | 16 | INTEGER | 0-100% Receive Signal Strength                       |
| <b>Diagnostics Data</b> |      |                             |     |    |         |  |
| 2701                    | 9985 | Revision Major              | R   | 16 | INTEGER | Any Integer Value                                    |
| 2702                    | 9986 | Revision Minor              | R   | 16 | INTEGER | Any Integer Value                                    |
| 2703                    | 9987 | Build Number                | R   | 16 | INTEGER | Any Integer Value                                    |
| 2704                    | 9988 | Reset                       | R/W | 16 | INTEGER | Read 0. If user sets to 1, resets the control board. |
| 2705                    | 9989 | Serial Receive Good Count   | R   | 16 | UINT    | 0 – 65535  |
| 2706                    | 9990 | Serial Receive Error Count  | R   | 16 | UINT    | 0 – 65535  |
| 2707                    | 9991 | Serial Transmit Good Count  | R   | 16 | UINT    | 0 – 65535  |
| 2708                    | 9992 | Serial Transmit Error Count | R   | 16 | UINT    | 0 – 65535  |
| 2709                    | 9993 | Radio Receive Good Count    | R   | 16 | UINT    | 0 – 65535  |
| 270A                    | 9994 | Radio Receive Error Count   | R   | 16 | UINT    | 0 – 65535  |



|      |      |                            |   |    |      |           |
|------|------|----------------------------|---|----|------|-----------|
| 270B | 9995 | Radio Transmit Good Count  | R | 16 | UINT | 0 – 65535 |
| 270C | 9996 | Radio Transmit Error Count | R | 16 | UINT | 0 – 65535 |
| 270D | 9997 | Uptime Days                | R | 16 | UINT | 0 – 65535 |
| 270E | 9998 | Uptime Hours               | R | 16 | UINT | 0 – 65535 |
| 270F | 9999 | Uptime Minutes             | R | 16 | UINT | 0 – 65535 |

| MODE SENSOR | MODE             |
|-------------|------------------|
| 0           | NORMAL           |
| 1           | NULL             |
| 2           | CALIBRATION      |
| 3           | RELAY            |
| 4           | Radio ADD        |
| 5           | Diagnostic/ Batt |
| 6           | Advanced Menu    |
| 7           | Admin Menu       |

| Serial Number Char | Char |
|--------------------|------|
| 1                  | A    |
| 2                  | B    |
| 3                  | C    |
| 4                  | D    |
| 5                  | E    |
| 6                  | F    |
| 7                  | G    |
| 8                  | H    |
| 9                  | I    |
| 10                 | J    |
| 11                 | K    |
| 12                 | L    |
| 13                 | M    |
| 14                 | N    |
| 15                 | O    |
| 16                 | P    |
| 17                 | Q    |
| 18                 | R    |
| 19                 | S    |
| 20                 | T    |
| 21                 | U    |
| 22                 | V    |
| 23                 | W    |

| Valid Baud Rates |
|------------------|
| 4800             |
| 9600             |
| 19200            |

| NUM | SENSOR        |
|-----|---------------|
| 0   | EC            |
| 1   | IR            |
| 2   | CB            |
| 3   | MOS           |
| 4   | PID           |
| 5   | TANK          |
| 6   | 4-20          |
| 7   | SWITCH        |
| 8   | Unknown       |
| 30  | WF190         |
| 31  | None Selected |

| FAULT | FAULT   |
|-------|---|
| 0     | None  |
| 1     | Sensor Timeout  |
| 2     | Sensor reading below null (152 Model Only)              |
| 3     | Replace sensor element (LPIR Only)                      |
| 4     | ADC not responding                                      |
| 5     | Null Failed   |
| 6     | Cal Failed  |
| 7     | Future Error  |
| 8     | Two Sensors Same Address                                |
| 9     | Sensor Radio Timeout                                    |
| 10    | When Sensor is wired, it means no sensor is connected   |
| 11    | Rapid temperature change (LPIR Only)                    |
| 12    | Sensor Element Restarting (LPIR Only)                   |
| 13    | Unspecified Error on sensor unit. Shown only on Monitor |
| 14    | No Primary Monitor at Sensor Head                       |
| 15    | Monitor Fault   |

|    |    |
|----|----|
| 24 | X  |
| 25 | Y  |
| 26 | Z  |
| 27 | AA |
| 28 | AB |
| 29 | AC |
| 30 | AD |
| 31 | AE |
| 32 | AF |
| 33 | AG |
| 34 | AH |
| 35 | AI |
| 36 | AJ |
| 37 | AK |
| 38 | AL |
| 39 | AM |
| 40 | AN |
| 41 | AO |
| 42 | AP |
| 43 | AQ |
| 44 | AR |
| 45 | AS |
| 46 | AT |
| 47 | AU |
| 48 | AV |
| 49 | AW |
| 50 | AX |
| 51 | AY |
| 52 | AZ |

| GAS TYPE NUM | GAS                      |
|--------------|--------------------------|
| 0            | H2S                      |
| 1            | SO2                      |
| 2            | O2                       |
| 3            | CO                       |
| 4            | CL2                      |
| 5            | CO2                      |
| 6            | LEL                      |
| 7            | VOC                      |
| 8            | FEET                     |
| 9            | HCl                      |
| 10           | NH3                      |
| 11           | H2                       |
| 12           | ClO2                     |
| 13           | HCN                      |
| 14           | F2                       |
| 15           | HF                       |
| 16           | CH2O                     |
| 17           | NO2                      |
| 18           | O3                       |
| 19           | INCHES                   |
| 20           | 4-20                     |
| 21           | Not Specified            |
| 22           | C°                       |
| 23           | F°                       |
| 24           | CH4 (Firmware 4.1.3)     |
| 25           | NO (Firmware 4.1.3)      |
| 26           | PH3 (Firmware 4.1.3)     |
| 27           | HBr (Firmware 4.1.3)     |
| 28           | EtO (Firmware 4.1.3)     |
| 29           | CH3SH (Firmware 4.1.3)   |
| 30           | AsH3 (Firmware 4.1.3)    |
| 31           | R410A (Firmware 4.1.3)   |
| 32           | R1234YF (Firmware 4.1.3) |
| 33           | R32 (Firmware 4.1.3)     |
| 34..N        | Future Gases             |