

OI-5950-X-X-O WireFree Switch State Transmitter

The Otis Instruments OI-5950 Dual-Switch Switch-State Transmitter is an explosion-proof, wireless, battery-powered device engineered to monitor and transmit switch states within hazardous environments. Designed to integrate seamlessly with Otis Instruments' monitoring systems, the OI-5950 provides real-time data on switch states for critical safety and operational monitoring.

Key Features:

- **Dual-Switch Capability:** Monitors up to two individually-addressable switches, allowing for versatile monitoring applications within a single device.
- **Reliable State Transmission:** Wirelessly transmits switch states (on/off) and state changes to corresponding monitors or controllers, ensuring accurate and timely data across the network.
- **Explosion-Proof Design:** Built to meet safety standards for hazardous areas, allowing for safe deployment in classified environments.
- **Versatile Sensor Integration:** Compatible with a wide range of sensor types, including flame, temperature, pressure, and tank level sensors, enhancing application flexibility.
- **Battery-Powered Operation:** Ensures continuous functionality even in remote locations, reducing power dependency and installation complexity.

Ideal For:

- Oil and gas industries
- Chemical processing facilities
- Industrial safety systems
- Hazardous and classified environments

The Otis Instruments OI-5950 Dual-Switch Switch-State Transmitter offers robust performance, seamless integration, and safe operation in demanding environments, providing essential monitoring for safety-critical applications



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Explosion Proof Dual-Switch Switch-State Transmitter

Product Specifications	
Product Type	Switch-State Signal Transmitter
Power Type	Battery-Powered
Operating Voltage	3.6V (19 Ah) Lithium-Thionyl Chloride (Li-SOCl ₂) Battery, with Connector (Non-Rechargeable)
Battery Life	Up to 2 Years (Varies w/ Settings)
RF Connection	External N-Female Radio Frequency (RF) Connector
Display Screen	102x64 Resolution Graphical LCD Screen
Interface	3 Push-Buttons (MENU, ADD, and SUB) 3 Magnetic Non-Intrusive Switches for Calibration (MENU, ADD, and SUB)
Customizable Settings	Adjustable Communication Transmission on Change Setting
T _{amb} Temperature Range	-40°C to +60°C (-40°F to +140°F)
Input	Connectivity for up to 2 Switches
WireFree Radio Options	GEN II 900 MHz Radio GEN II 2.4 GHz
Networks	52 Networks (GEN II 900 MHz Radio) 78 Networks (GEN II 2.4 GHz Radio) 255 Addresses per Network
Enclosure Material	Aluminum Device Enclosure
Product Dimensions	5.42 in. L x 6.03 in. W x 12.16 in. H (Max. Dimensions w/ Attachments)
Total Weight	4.8 lbs.
Product Mounting	Wall Mount (Included)
Component Certified	CSA Component Certified Explosion/Flame-Proof
Hazardous Location Certifications and Approvals	Class 1, Division I, Groups A, B, C and D Class II, Division 1, Groups E, F, G Class III
Hardware Warranty	1-Year, Limited
Part Number Formula	OI-5950-[Radio]-[X]-[Enclosure]-[Optional No Battery] OI-5950-X-X-O-(NB)

