

## OI-5950 Switch State Transmitter

The Otis Instruments OI-5950 Dual-Switch Transmitter is an explosion-proof, wireless, battery-powered device designed to monitor and transmit switch states in hazardous environments. The device is most commonly used for emergency shutdowns to activate alarms. It integrates seamlessly with Otis monitoring systems to provide reliable, real-time status updates for critical safety applications.

### Key Features:

- **Dual-Switch Monitoring:** Supports two individually addressable inputs
- **Wireless Transmission:** Real-time reporting of switch status and changes
- **Explosion-Proof Design:** Certified for use in hazardous locations (NOTE: with push button shown, unit is not CI DI)
- **Flexible Integration:** Compatible with flame, temperature, pressure, and level sensors
- **Battery Powered:** Ideal for remote or hard-to-wire installations

### Applications:

- Oil and gas
- Chemical processing
- Industrial safety systems
- Classified/hazardous areas

The OI-5950 delivers dependable, real-time monitoring with flexible integration, enhancing safety and operational visibility in demanding environments.



# WireFree Switch State Transmitter

## Product Specifications

Sensor Type	Switch State Signal Transmitter
Power Type	Single Battery-Powered
Operating Voltage	Operating Voltage - 3.6 V/19 Ah Lithium-Thionyl Chloride (Li-SOCl <sub>2</sub> ) Battery with connector, non-rechargeable
Estimated Battery Life	Up to 2 Years (Varies with Settings)
RF Connection	External N-Female Radio Frequency (RF) Connector
Display Screen	102x64 Resolution Graphical LCD Screen Transflective (Sunlight Readable) with LED Backlight
Interface	3 Push-Buttons (MENU, ADD, and SUB) 3 Magnetic Non-Intrusive Switches for Calibration (MENU, ADD, and SUB)
T <sub>amb</sub> Temperature Range	-40 to +60°C
Networks	52 Networks (GEN II 900 MHz Radio) 78 Networks (GEN II 2.4 GHz Radio) 255 Addresses per Network
Product Dimensions	5.08" D x 8.5" W x 13" H (Max. Dimensions w/ Attachments)
Total Weight	4.8 lbs.
Product Mounting	Wall Mount with built in mounting feet
Hazardous Location Certifications and Approvals	Class I, Division I, Groups A, B, C and D Class II, Division I, Groups E, F and G Class III
Hardware Warranty	Limited one year
Part Number Formula	OI-5950-[Radio]-X-[Enclosure]-[Optional Battery or No Battery (NB)] OI-5950-9-X-O-2B