

OMNEX HopLink Frequency Hopping Integrated Radio and I/O Products

HOP
LINK

RADIO

SPREAD SPECTRUM
POWER

HS-900 Cordless Wire for Sensors



class 1 div. 2

long range

interference free

license free

The OMNEX HS-900 seamlessly bridges the costly communication gap between sensors, switches, alarms and PLCs. A single HS-900 system reliably carries one (1) 4-20mA current loop and two (2) digital status signals from device to control room for miles. Compared to long cable and conduit runs on new projects, or the retrofitting of existing cable and conduit systems, the HS-900 is quick to install, maintenance free and much more versatile.

Simply mount and wire the HS-900 transmitter to the conduit junction box between the device and power source. The wiring ends there! At the control room, the matched HS-900 receiver (a DIN Rail mounted terminal block), receives the signals and passes them along to the monitoring equipment. It's a wireless leap from the sensor to the control room and no additional equipment is needed.

The solid connection between the HS-900 transmitter and receiver is maintained by OMNEX's unique integrated spread spectrum radio and I/O technology. With a broad range of telemetry products and more than a decade of market exposure, OMNEX has set the North American standard in spread spectrum frequency hopping telemetry for cordless I/O in heavy industry. Designed with the same proven technology of thousands of OMNEX HopLink radio systems already in use, the HS-900 adds a new dimension to remote sensing. The HS-900 guarantees a license free, interference free and trouble free solution to the problems encountered in efficiently relaying data from isolated remote sensors over great distances and through high interference environments.

Eliminate
cable and conduit
for one 4-20mA
current loop and
two ON/OFF
signals

Manufactured as a set, each HS-900 transmitter/receiver pair is factory programmed, calibrated and tested as one unit. No switch configuration or programming is required by the end user. Each completed pair is given a unique address at the factory so that multiple HS-900 systems can work independently in the same area without interference.

The HS-900: two ends of one cable with nothing in between.



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OMNEX
CONTROL SYSTEMS INC



HOP

RADIO



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FEATURES

- 1Watt transmit power
- Transmit one 4-20mA & two digital signals
- Compact DIN Rail mounted receiver
- Replicates one 4-20mA output, two dry contacts
- Easily installed
- >15 mile transmit range
- Spread spectrum radio means license free operation
- Frequency hopping technology means Interference free operation
- Class 1 Div 2 CSA/NRTL
- US/FCC & ISC approved

APPLICATIONS

- Sensor monitoring
- Tank level
- Pump control
- Water/wastewater
- Oil & gas
- Process control
- PLC/RTU extensions
- SCADA systems
- Mills/quarries/factories
- Utilities/hydro
- Irrigation systems
- Movie SPFX

HS-900

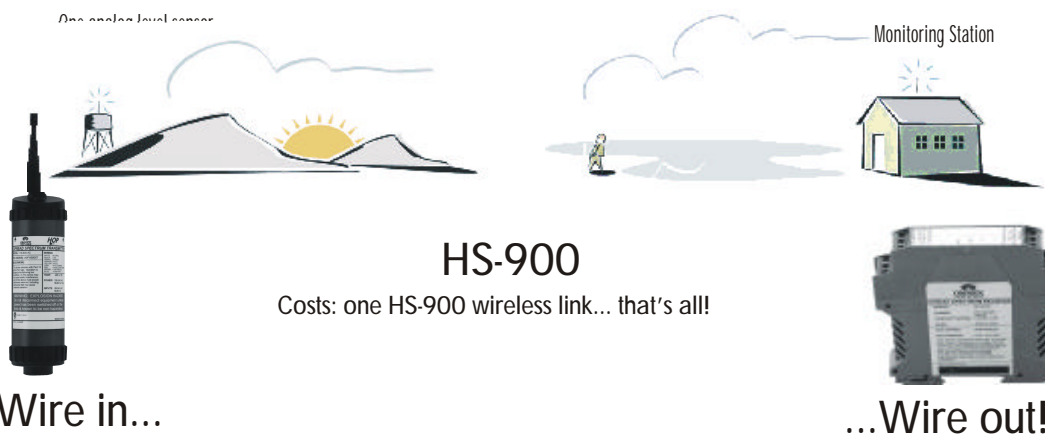
Replacing...



Buried Cable and Conduit

Costs: design, trenching, cable, conduit, labor, maintenance, inspections, permits, etc.

With the OMNEX HS-900 Solution



The HS-900 transmitter is potted and connects to a conduit junction/ mount with 1/2 inch NPT. The HS-900 receiver is a DIN Rail mounted terminal block with a 4-20mA output and two dry contacts (0.5Amp at 110VDC). Depending on the power source in the field, one of two transmitter options is chosen to match the power requirements of the sensor:

- Use the HS-900-AC transmitter with its built in AC power supply, if the power source is 100-240VAC at the device;
- Use the HS-900-24 transmitter, if a 24VDC power supply already exists at the device (battery or solar).



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