



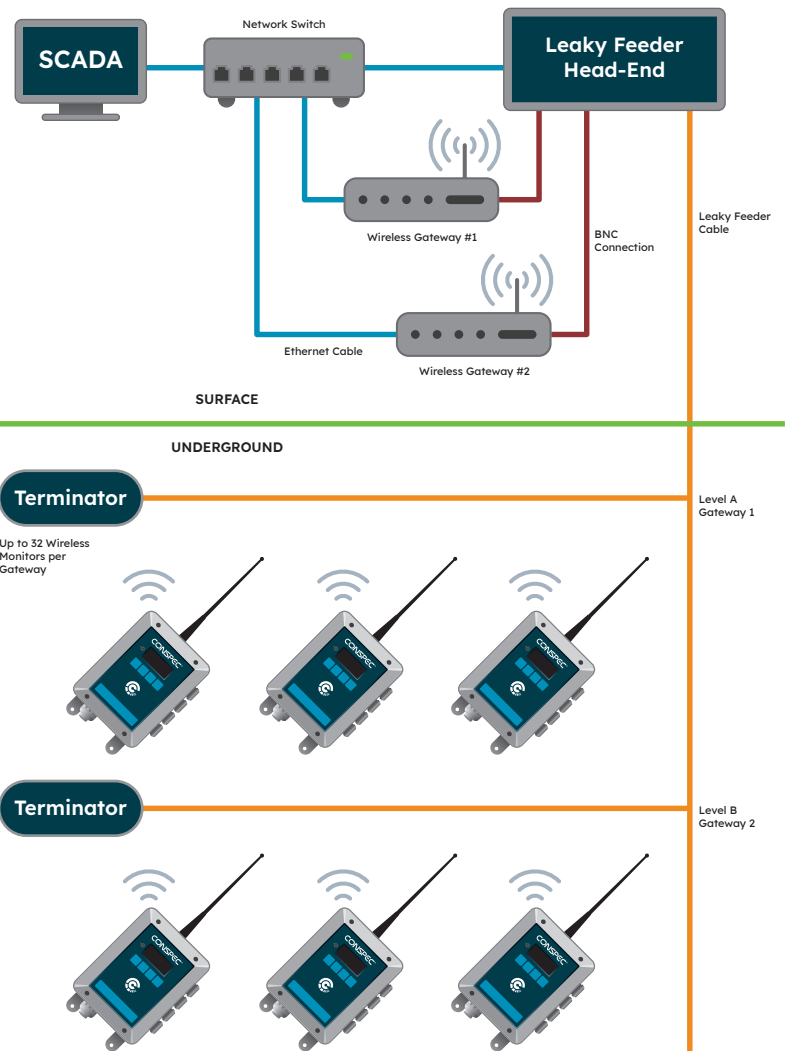
CONSPEC®

INNOVATION THAT DIGGS DEEPER.

OPTIO WIRELESS

Optio VHF Leaky Feeder

Conspec's Wireless Industrial Gas Monitors and Gateways can operate seamlessly as Modbus devices over VHF Leaky Feeder systems. The Gateway is wired to a SCADA system and connected to the Head-End using BNC connectors. Each Gateway can communicate with up to 32 wireless monitors and maximum of 247 Wireless Monitors can be used. An example configuration is shown here.



Optio Leaky Feeder

Technical Specifications

GENERAL

- Maximum 32 Wireless monitors per Gateway
- Maximum 247 MODBUS Wireless Monitors
- Gateways appear transparent to the SCADA system
- Compatible with Conspec Senturion 950 (S950) and other MODBUS compatible SCADA systems
- Up to 1 year battery life
- Self-Healing and Self-Forming Network

WARRANTY

- One year standard warranty

GATEWAY COMMUNICATION OPTIONS TO SCADA SYSTEM

- RS-485, RS-232, Ethernet, Wi-Fi

WIRELESS MONITORS

- Real-time sensor readings of up to 6 installed sensors per monitor
- 4 custom alarm levels with hysteresis and hold-to-alarm times for each sensor reading
- Refer to respective product manuals for full specifications
- Optional Wireless Alarming Box that can alarm on behalf of any other monitor or all monitors using and/or logical setup

TEMPERATURE & HUMIDITY RANGE

- -20°C to +40°C, 0-99% RH non-condensing
- SIL-1 (pending)

DOWNSTREAM

Number of Channels	31
Frequency Range	145MHz to 160MHz
Channel Increments	0.5MHz
Signal Bandwidth	125KHz

Channel Number	Channel Frequency
1	145.0MHz
2	145.5MHz
3	146.0MHz
...	...
31	160.0MHz

UPSTREAM

Number of Channels	31
Frequency Range	170MHz to 185MHz
Channel Increments	0.5MHz
Signal Bandwidth	125KHz

Channel Number	Channel Frequency
32	170.0MHz
33	170.5MHz
34	171.0MHz
...	...
62	180.0MHz