

### **Remote Transmission Unit (RTU)**

*The Flowserve IPS Wireless RTU can be used to add wired, analog or digital signals to the IPS wireless sensor network. This device offers eight channels with independent programming and has the ability to provide 24 VDC loop power as required by field instrumentation.*

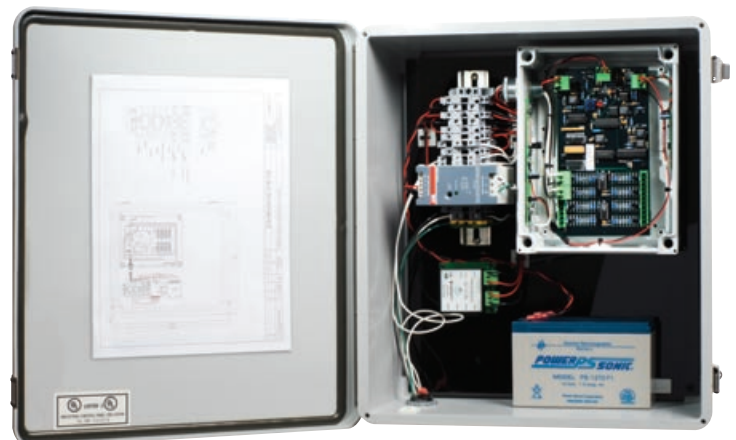
#### **Transmission Range**

The IPS Wireless RTU has a self-transmitting range of 2.4 km (1.5 miles). With the addition of a Flowserve multiple repeater network, the effective transmission range extends to 11.2 km (7.0 miles).

#### **Limitless Applications**

The Flowserve IPS Wireless product series provides customers with cost-effective, reliable and scalable data communication systems that enhance productivity and profitability. Whether for portable or fixed assets or analog or digital instruments, Flowserve has wireless solutions for:

- Equipment performance monitoring
- Process monitoring
- Asset management
- Health, safety and environmental issues
- Regulatory compliance



*Flowserve IPS Wireless technology allows the economical acquisition and the prompt utilization of important process data, including:*

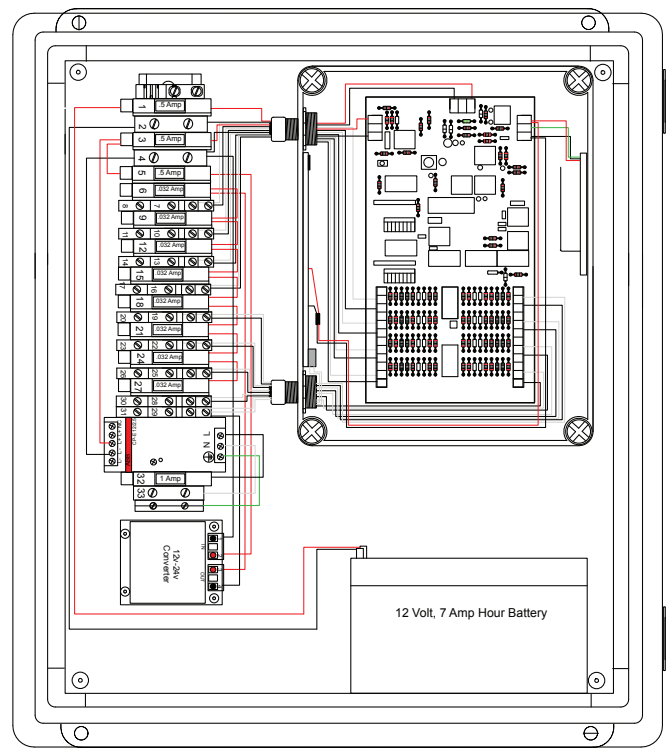
- Flow
- Level
- Gas emissions
- Pressure
- Temperature
- Vibration
- Energy consumption

**Specifications**

IPS Wireless devices are self-powered and self-transmitting. They employ open platform architecture for maximum versatility. This ensures Flowserve wireless devices will integrate and interface easily with most existing instrumentation, software and controllers.

| SPECIFICATIONS                      |  |
|-------------------------------------|--|
| Operating frequency                 | 902-928 MHz, 868 MHz, 2.4 GHz  |
| Channels                            | 2, 4, 6, 8 (Option: 1 discrete high level alarm)                         |
| Transmission rate                   | Programmable   |
| Transmission range                  | 1.2 km (0.75 mile)   |
| Operating temperature               | -40°C to 85°C (-40°F to 185°F)   |
| Channel output power                | 16 to 24 VDC   |
| Channel output time                 | Programmable   |
| Humidity                            | 0-95% noncondensing  |
| Input options                       | 4/20 mA or discrete by channel   |
| Power requirement                   | 110 or 220 VAC; solar power with battery backup                          |
| Enclosure                           | Fiberglass NEMA 4X<br>100 mm x 350 mm x 400 mm<br>(4 in x 14 in x 16 in) |
| Weight (without battery)            | 10.4 kg (23 lb)  |
| Mounting                            | 40 mm (1.50 in) pipe   |
| Certification & area classification | CSA/NRTL Class 1, Div. 2: A, B, C and D; CE                              |

| AVAILABLE MODELS |                    |
|------------------|--------------------|
| EGI-NB-4/20-AC   | AC powered unit    |
| EGI-NB-4/20-SP   | Solar powered unit |



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**To find your local Flowserve representative:**

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