

Receivers

Flowserve IPS Wireless Receivers can be used to communicate from IPS Wireless Single-Point Transmitters and Remote Transmission Units (RTUs) to the customer's data management system.

Several Models Available

Flowserve IPS Wireless Receivers are able to handle thousands of incoming signals, depending on sampling speeds. All receivers are available with software used to collect, process, display and transfer data. The software can provide alarm detection at fine threshold levels for each measurement point. Data may be displayed graphically or output to a spreadsheet. IPS Wireless Receivers are available in several models to suit application specific needs:

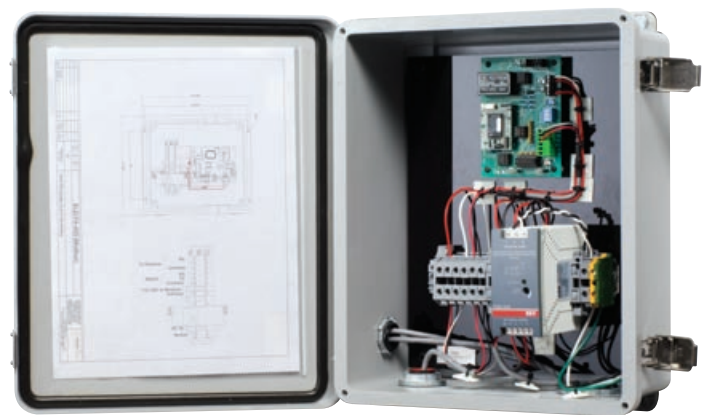
Receiver for PC Installation (ELD-FA-403): Standard receiver incorporating a DB-9 connector with an RS-232 port for direct serial interface to a PC for support of SCADA package. Software optional.

Portable Receiver for PC Installation (ELD-FA-403-P): Portable version of ELD-FA-403 with software.

Serial Interface Unit (ELD-FA-403-Serial-Modbus): This receiver communicates with most DCS systems via Modbus (ASCII or RTU) protocol through RS-232/RS-485 or ethernet connections. Software included.

Portable Serial Interface Unit with USB (ELD-FA-403-Serial-Modbus-USB-P): Portable version of ELD-FA-403-Serial-Modbus with a USB port to facilitate download and transfer of data. Software included.

Data Interface Processor Unit (ELD-FA-403-AO/DO): Receiver translates wireless status and/or measurement data into its original analog and digital form for transfer to PLC, RTU or DCS systems (one-way communication). Software included.



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 interface and integrate easily with most existing instrumentation, software and controllers.

SPECIFICATION	ELD-FA-403 and ELD-FA-403-P	ELD-FA-403-SERIAL-MODBUS and ELD-FA-403-SERIAL-MODBUS-USB-P	ELD-FA-403-AO/DO and ELD-FA-403-AI/DI
Operating frequency	902-928 MHz, 868 MHz, 2.4 GHz		
User interface	RS-232	RS-232 or RS-485	Analog and/or digital data lines
Data rate	19 200 Baud	9800 - 19 200 Baud	N/A
Max analog data	N/A		8 lines 4/20 mA or 0-10 VDC ⁽¹⁾
Max digital data	N/A		32 TTL – Level lines ⁽¹⁾
Diagnostic port	N/A	Laptop or PC interface	
Operating temperature	-40°C to 85°C (-40°F to 185°F)		
Humidity	0-95% noncondensing	5-95% noncondensing	0-95% noncondensing
Operating power	N/A	9-16 VDC	
Supply voltage	110 or 220 VAC (UPS recommended)		
Analog data	N/A		4/20 mA
Digital data	N/A		D/Is
Enclosure	Fiberglass NEMA 4X: 100 mm x 350 mm x 400 mm (4 in x 14 in x 16 in) ⁽²⁾		
Weight (without battery)	10.4 kg (23 lbs) ⁽³⁾		
Mounting	40 mm (1.5 in) pipe		
Certification & area classification	CE; general purpose		

(1) Other configurations available
 (2) ELD-FA-403-P enclosure is 280 mm x 200 mm x 100 mm (11 in x 8 in x 4 in)
 (3) ELD-FA-403-P is 3.6 kg (8 lbs)

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