

- Obstacle Penetrating Wireless Mirrored IO System
- 2 x AI, 2 x AO, 2 x DI, and 2 x DO
- Range of up to 20 Miles (Line of Site)
- Does Not Interfere with Wi-Fi Networks
- Multi-Function Display
- 128 bit Encrypted Payload Protection
- Simple Plug and Play (Easy to Setup)
- No FCC License to Operate or Install



If you need to control or monitor a device or system at a distance, the ReFlexIO is the solution. It comes complete with 8 x onboard I/O that allow you to connect to almost any device. Use it monitor or control pumps, valves, PLC's, dataloggers, rain gauges, tank levels, security systems, fire & evac systems, access control, irrigation systems, flow meters, emergency standby systems and more.

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|--------------------|-----------------------|------------------------|--------------------|
| • Factories | • Water & Wastewater | • Agriculture | • Fire Systems |
| • Security Systems | • Building Management | • Aquaculture | • Race Tracks |
| • Mining | • Mobile equipment | • Transport monitoring | • Event Management |

Communication Specifications

On Air Rate:	125,000 bps
RF Output Power:	+30 dBm (1W)
Receive Sensitivity:	-100 dBm at 10e-4 BER
Modulation:	Frequency Hopping Spread Spectrum (FHSS)
Encryption:	256-bit AES Encryption

IO Specifications

Analog Inputs (2x):	0-20mA or 4-20mA
Impedance:	250 Ohms
Analog Outputs (2x):	0-20mA or 4-20mA
Compliance:	Supplied Voltage (9 to 30VDC)
Digital Inputs (2x):	2.5 to 30VDC
Digital Outputs (2x):	Open Coll. (up to 30VDC)
Failsafe:	Configurable on all Outputs (AO and DO)
Resolution:	12 bit (AO and AO)
Output Power:	Supplied voltage (9 to 30VDC) up to 200 mA

General Specifications

Setup Security:	Password Protected Menus
Status Display:	96 x 64 pixel OLED with Navigation Buttons
Status LEDs:	Power, Scan, Comms, and Error
Humidity:	95% non-condensing
Temp (Operate):	-40 to 70 °C (-40 to 158 °F)
OLED:	-20 to 70 °C (-4 to 158 °F)
Temp (Storage):	-40 to 80 °C (-40 to 176 °F)
Power (V):	9 to 30 VDC
Power (I):	1W (Trans): 600mA (12V) 1W (Rec): 60mA (12V) 100mW (Trans): 200mA (12V) 100mW (Rec): 60mA (12V)
Enclosure Type:	Plastic
Dimensions:	35 x 175 x 128 mm (W x H x D) (1.38 x 6.89 x 5.04 in)
Weight:	400 g (0.88 lb)

Ordering Information: REFLEXIO-B2BKIT-900

ReFlexIO Back-to-Back Pair Starter Kit
Includes (2) ReFlexIO Remote IO units, (2) 3 ft. RF Cables and (2) Rubber Whip antennas. Pre-configured as back-to-back pair. No programming required. 9-30VDC power needed on each unit.

REFLEXIO-B2BKIT-900-D2

Above with Class 1 Div 2 Approvals

REFLEXIO-RIO-900

ReFlexIO unit with (2) AI, (2) AO, (2) DI, (2) DO and Radio

REFLEXIO-RIO-900-D2

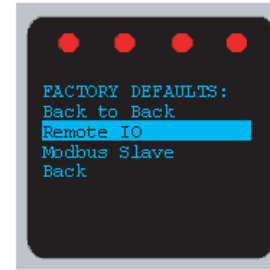
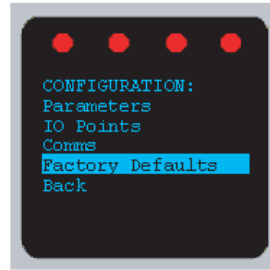
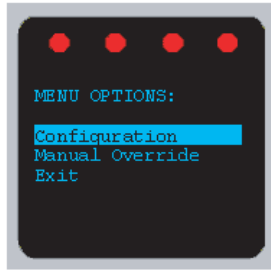
Above with Class 1 Div 2 Approvals

Accessories:

REFLEXIO-IOS

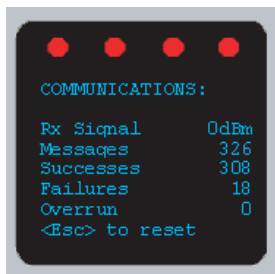
ReFlexIO Simulator Unit

Menu Driven Configuration



Menu Options are Highlighted on the Display and Selected via the Front Panel Buttons

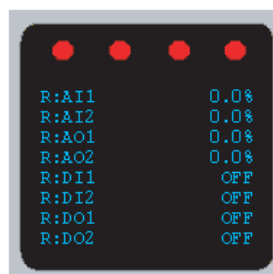
Sample Displays



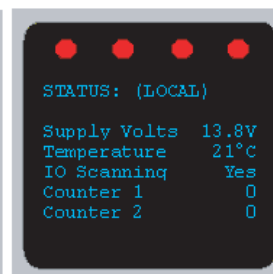
RF Communications



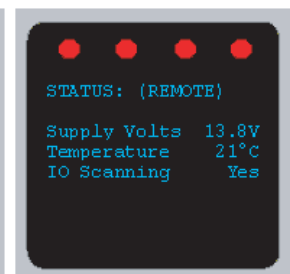
Local IO State



Remote IO State



Local Status



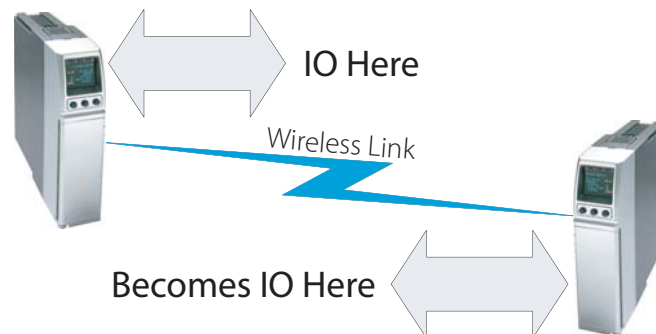
Remote Status

ReFlexIO Back to Back Pair Starter Kit



Pre-Configured as a Working Back to Back Mirrored Pair

ReFlexIO Back to Back Pair Example



ReFlexIO Simulator



The ReFlexIO Simulator Unit is an easy to use, low cost device that allows you to test the ReFlexIO unit's functions and IO during commissioning. It is also ideal as a demonstration tool, to show the ReFlexIO's capabilities easily (One Simulator per unit).

The device comes fully wired and only needs to be plugged into the ReFlexIO unit and connected any 12VDC power source.

- Digital Controls: 2 x Toggle Switches (IN), 2 x LEDs (OUT)
- Analog Controls: 2 x Potentiometers (IN), 2 x 10 segment LED Bars (OUT)
- Case Dimensions (HxWxD): 135 x 70 x 24 mm (5.31" x 2.76" x 0.94")