InvisiLink™ Wireless Radio

A wireless radio solution for devices that communicate via RS-485 or RS-422

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TECHNICAL SPECIFICATIONS

ELIMINATE THE NEED FOR HARD-WIRED CONNECTIONS

InvisiLink is a wireless radio solution for devices that communicate via RS-485 or RS-422. A radio is connected to both the measuring device, like a Yo-Yo or controller, and the receiving device, like an ORB. Then the InvisiLink radio sends data back and forth between the devices. This system eliminates the need for cables and conduit connecting a measuring device to a device collecting data. It is also possible to have a single device receive multiple data streams from 'send' devices.

FEATURES AND BENEFITS

- Distances up to 3,000 ft (914 m)
- RS-485 or RS-422 Connection Capabilities
- NEMA 4X Enclosure
- Standard and Extended Range Antenna Options
- LED Indicator Lights

HOW TO ORDER

ILK-A11	InvisiLink Wireless Radio - Standard Antenna, with RS-422 Connection
ILK-A12	InvisiLink Wireless Radio - Standard Antenna, with RS-485 Connection
ILK-A21	InvisiLink Wireless Radio - Extended Range Antenna, with RS-422 Connection
ILK-A22	InvisiLink Wireless Radio - Extended Range Antenna, with RS-485 Connection

SPECIFICATIONS

FUNCTION

Input/Output	RS-485, RS-422
Frequency	900 Mhz
Power Supply	120 VAC +/- 10%; 60 Hz
Ambient temperature (Electronics)	-40° to 185° F (-40° to +85° C) 4-20 mA: 0° to 120° F (-17 to 48° C)

PERFORMANCE

Transmission Speed (Baud Rate)	RS-485: 115.2; RS-422: 9600
Transmit Power	1 mW to 1 W
Transmission Distance	Up to 3,000 ft (914 m)*

PHYSICAL

Housing Material	NEMA 4X, Fiberglass
Extended Range Antenna	Up to 40 miles (64 km), NEMA 4X Outdoor includes lightening arrestor**
Visual Indicators	LED Lights (Power, Communication and Signal)

*Distances may be reduced depending on environment. Maximum distance determined in indoor/urban environment with direct line of sight, no obstacles.
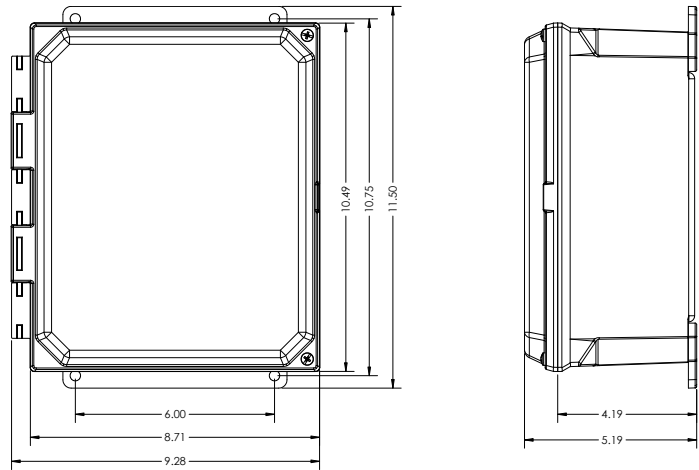**Consult Factory for extended range distances.

PRODUCT COMPATIBILITY

DEVICE	COMMUNICATION	
	RS-485	RS-422
Bindicator® 3D Level Scanner	x	
Bindicator Mark-4/GP-4 Yo-Yo	x	
Bindicator/Kistler-Morse ORB™		x
Bindicator/Kistler-Morse ORB 4-20mA Input Box		x
Bindicator SonoTracker		x
Kislter-Morse Ultrawave		x
Kistler-Morse MVS		x
Kistler-Morse STXplus		x
Kistler-Morse SVS2000		x
Kistler-Morse Weigh II		x
Niagara Meters 5600 Controller		x

Note: RS-485 Communication will be programmed at a baud rate of 115200;

RS-422 Commuication will be programmed at a baud rate of 9600.

DIMENSIONAL DRAWINGS

Single Radio Enclosure

Extended Range (Optional) Antenna