

iO-WR WIRELESS RELAY Installation, Operation Manual

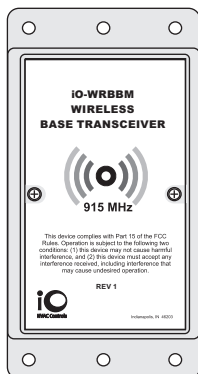
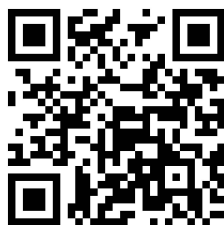


INTRODUCTION

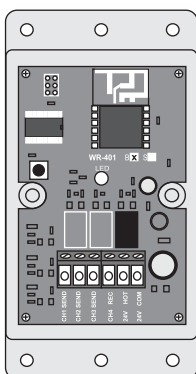
The iO-WR wireless relay system consists of 2 units; an iO-WR-BM Base Transceiver and an iO-WR-SM Satellite Transceiver. The digital inputs and outputs are compatible with 24VAC HVAC systems. When properly installed and configured, the iO-WR system provides reliable wireless communication between two devices. Although the iO-WR has a line-of-sight transmission distance of up to 100ft, unimpeded communication between the two devices can vary depending on size and composition of obstacles in the transmission path.

NOTE: The wireless relay transceivers are already factory paired and will begin to communicate once 24 volts is applied to each unit.

SCAN HERE FOR INSTALLATION MANUAL



WR-401-B BASE
TRANSCIVER



ACCESS COVER
REMOVED

INSTALLATION TIPS

Both the base and satellite transceiver require continuous 24VAC.

Mount the iO-WR Transceivers on a non-metallic surface in a location that allows access to the unit wiring.

Do not mount inside the unit cabinet or inside any metal enclosure as this will greatly impede transmission distance.

Refer to the WR wiring diagram that best suits the application. Ensure channel numbers match between BM and SM.

Note: The iO-WR-SM Satellite Transceiver Module has a weather resistant gasket seated in the enclosure. Make sure the gasket stays in place during installation.

SPECIFICATIONS

Power:	24VAC, 2.8VA
Channels:	Base: 3 Send - 1 Receive Satellite: 3 Receive - 1 Send
Contact Rating:	1 Amp per channel
Frequency:	915MHz Operation
Range:	Up to 100 ft.
Dimensions:	2-5/8" W x 5-1/8" H x 1-1/8" D

COMPLIANCE

The iO-WR Wireless Relays comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet or circuit different from that to which the receiver is connected.
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TECHNICAL SUPPORT

iO HVAC Controls is committed in providing the highest level of technical support. If you are experiencing difficulty with your iO-WR installation and require trouble shooting assistance, call 866-225-5032. You can also learn more about our products by going to iohvaccontrols.com.

Note: To return this product under warranty, you must contact technical support and obtain a technical case number. More information can be found online at iohvaccontrols.com/returns-refunds



www.iohvaccontrols.com

For Technical Support Call Toll Free: 866-225-5032

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