

## Warrior DIN-9XWxR-MOD

### Features

- ✓ RS-485 MODBUS Interface
- ✓ Optional Single Form A Relay
- ✓ Compact Design – IP40
- ✓ 900 MHz @ 100 mW FCC/IC License-Free
- ✓ External Antenna
- ✓ Easy Cable Termination System

The Warrior DIN-9XWxR-MOD is a cost-effective DIN-rail-mounted wireless remote-control receiver designed to integrate with programmable logic controllers (PLCs) mounted on machinery.

The DIN module works with the complete line of Cervis, Inc. Warrior wireless transmitters, including pushbutton handhelds and console boxes. The bi-directional radio is available in FCC/IC license-free 900 MHz radios for maximum flexibility. The DIN module runs an application that allows users to access specific registers to process transmitter/system information, allowing freedom of PLC application software developed by system integrators.

The Warrior DIN-9XWxR-MOD is enclosed in a 2.96" x 2.81" x 1.25" enclosure that easily mounts to 35-mm DIN rails and includes four diagnostic light-emitting diodes (LEDs).



### Specifications

#### Power

**Operating Voltage** 9 to 36VDC

#### Environment

**Operating Temp** -13° to 158° F (-25° to 70° C)

**Storage Temp** -40° to 185° F (-40° to 85° C)

**Humidity** 0 to 95% Non-Condensing

#### Indicators (Red LEDs)

- HB** (Health)
- RF** (Radio Frequency Activity)
- MB** (MODBUS Activity)
- AS/ACT** (Association)

#### DIP Switches

- 1 On/Left – Relay controlled by master device  
Off/Right – Relay closed when RF link established
- 2 Undefined
- 3 Undefined
- 4 On/Left – Association enabled  
Off/Right – Association disabled

#### Enclosure

<b>Material</b>	Aluminum
<b>Faceplate</b>	Stainless steel
<b>End Caps</b>	Polyamide
<b>DIN Rail Size</b>	35 mm
<b>Dimensions</b>	inch: 2.96 x 2.81 x 1.25 mm: 75.06 x 71.48 x 31.75

#### Radio

<b>Frequency</b>	900 MHz @ 100 mW
<b>License</b>	FCC/IC License-free
<b>Modulation</b>	Channel-Hopping DSSS
<b>Antenna</b>	External (RP-SMA)

#### Relays

<b>One</b>	Type Form A
<b>Contact Rating</b>	2A max @ 220VDC, 250VAC

#### Connectivity

<b>Protocol</b>	MODBUS
<b>Physical Layer</b>	RS-485
<b>Baud Rate</b>	38400 bps
<b>Transmission Type</b>	Half Duplex





**Table 1. Available Configurations**

Model Number	Part Number	Number of Relays
DIN-9XW0R-MOD	19005501	None
DIN-9XW1R-MOD	19005502	Single