

VariLink™ Digital Receiver

VariLink™ Welter Weight Compact Receiver

This compact CAN bus digital receiver is connected to both our intermediate relay cards and the latching relay system. The compact receiver has connections for Modbus housed in a plastic enclosure.

Application

The Welter compact receiver is designed to pair our intermediate relay card and latching relay system to create a complete isolated DC or AC radio system.

Features

- 900Mhz wireless transceiver and antenna
- Redundant fore guided MLC (Main Line Control) relays
- Integrated watchdog safety circuit
- Start relay
- 90 dBA SPL panel mount sounder
- Panel mount status indicators
- External sounder control
- External card communication via an Isolated CAN interface
- Third-Party client communication via an isolated Modbus interface
- Data logging

Accessories

- Intermediate relay card
- Four intermediate relays on a CAN bus card
- Latching relay module
- Two DC relays with latching circuits within polycarbonate enclosure



Specifications

Power

Voltage	24 V dc +/-10%
Idle	1.5 W
Maximum	7 W

Outputs

External Sounder Output Contacts	AC 0.3 A / 125 V ac DC 1.0 A / 30 V dc
MLC/START Contacts	AC 5.0 A / 250 V ac DC 1.0 A / 30 V dc
Panel Sounder	90 dBA SPL@ 1 m

CAN Communications

Protocol	CAN
Data Rate	100/250 kbps
Length	200 m (Max.)
Devices	64 (Max.)

Environmental

Temperature range (operation and storage)	-13 °F to 158 °F (-25 °C to 70 °C)
Humidity	95% non-condensing

MODBUS

Protocol	MODBUS
Data Rate	19.2 kbps
Length	200 m (Max.)
Devices	64 (Max.)

Radio Transceiver

Operating Frequency	9902.971 to 926.653 MHz
Modulation	FHSS
Encryption	AES-128
Power	-9dBm to +25dBm
Range	1000 ft line of sight

Under FCC regulations, the ER064 Digital Receiver may only operate using the antennas and cable assemblies listed below:

Approved Antennas / Cables

ANT-916-CW-HW	Antennas RPSMA 1/2 Wave Dipole Whip 916MHz
ANT-915-NUB-RPS	Antennas 915MHz Ultracompact, RP-SMA Plug
ANT-916-ID-1000-RPS	Antennas 916MHz, 1m, RP-SMA
ANT-916-ID-2000-RPS	Antennas 916MHz, 2m, RP-SMA
CSI-RSFB-100-UFFR	RF Cable Assemblies CABLE RPS BLKHD PLUG 100mm
CO-058SMAMFRP-025	RF Cable Assemblies RG58 REV POLARITY SMA M/F 25ft