



IND-WRU-003-GXX Wireless Remote Unit

IND-WRU-003-GXX is a modified version of the standard WRU-003 status and control unit. It has been equipped with a Conspec CN series Universal Gas Transmitter. The analog portion of the WRU transmits the detected gas levels and it's digital inputs can relay any pre-set alarm conditions back to the operator. Optional local alarms are available for this unit such as visual and audible indicators.

Product Specification

Physical

Enclosure	Metal (Gray Powder Coat)
Dimensions (H x W x D)	10" x 12 x 6
Weight	21 lbs

Electrical

Voltage	120 VAC 60Hz
Current Consumption	135mA Standby / 1.6 A Transmit
Protection	2 A Circuit Breaker

Inputs

Digital Inputs (4)	120 VAC / 240 VAC
Optional	12 or 24 VDC
Analog Input (1) (GAS LEVEL)	0-5 VDC or 4-20 mA

Outputs

Digital Outputs (2)	Form C NO / NC
Contact Rating	16A @ 120 VAC
Analog Output (1)	0-5 VDC / 1-5VDC / 4-20 mA

RS232 Interface

Baud Rate	9600
Parity	None
Bits	8
Stop Bits	1

Conspec Gas Transmitter

Control Voltage	12-24 VDC, 50 mA Typical
Analog Output	4-20 mA current linear.
Enclosure	Nema 4X (4.5"x5"x4")
Environmental	-20 to -50 C
Alarm Set Point	User Defined
Display	2 Line Alphanumeric

Radio

Frequency Bands	VHF 136 – 174 MHz UHF 450 – 470 MHz
Power Supply	8 – 15 VDC
Stability	2.5 PPM (-30 to +50C)
Sensitivity	0.25uV @ 12db Sinad
RF Output	1 – 5 Watts
Deviation	+/-5 Wideband Channel +/-2.5 Narrowband Channel
TX Attack	20 ms
RX Attack	15 ms
FCC ID VHF	AIERIT17-145
FCC ID UHF	AIERIT17-445
IC ID VHF	1084A-RIT17145
IC ID UHF	1084A-RIT17445

Interface Cable

MFG	Woodhead
Wire Size	16 AWG (8)
Color	Yellow
Material	PVC Jacket, PVC Conductor Insulation
Voltage Rating	600 V AC/DC
Amperage	7 A
Protection	IP 68 NEMA 6P
UL	RECOGNIZED, File No. E46237
CSA	CERTIFIED, File No. LR6837

GXX (Select Gas Below)

01	Ammonia	02	Carbon Dioxide
03	Carbon Monoxide	04	Chlorine
05	Combustibles	06	Hydrogen
07	Hydrogen Chloride	08	Hydrogen Sulfide
09	Nitric Oxide	10	Nitrogen Dioxide
11	Oxygen	12	Ozone
13	Sulfur Dioxide		