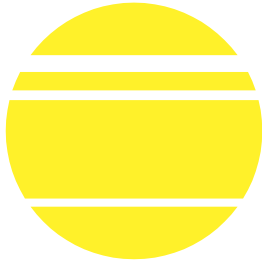# 48-CHANNEL WIRELESS DIN RAIL RECEIVER
WITH 4 ANALOG OUTPUT AND ALARMS

NEW

Works with Up to 48 Wireless Transmitters

Four 0 to 5 Vdc, 0 to 10 Vdc or 4 to 20 mA Analog Outputs

Interface Directly to PLCs, Chart Recorders and Data Loggers

Standard DIN Rail Enclosure

Built-in Programmable Alarms for Each Channel

Field Programmable via USB

Included Software Turns a PC Into a Multi-Channel Meter, Chart Recorder or Data Logger

The UWTC-REC4 wireless DIN rail receiver can work with up to 48 wireless transmitters, displaying their data in real time on your PC. The UWTC-REC4 also has four

Works with:
- **UWTC–Thermocouple**
- **UWRTD–RTD**
- **UWRH–Humidity**
- **UWIR–Infrared Temperature**
- **UWPH–pH**
- **UWPC–Process Voltage/Current Wireless Transmitters**

independent analog outputs, which can be user-programmed as a retransmission signal from any input channel, driving a PLC or data logger. The UWTC-REC4 is compatible with the full line of UW wireless transmitters from Omega; choose from thermocouple, RTD, %RH, infrared (non-contact) temperature, pH, as well as process voltage/current models.

The standard DIN rail mount design provides for easy mounting, and fast connections to other DIN rail equipment, including PLCs. The optional iDRN-PS-1000 power supply can power up to three UWTC-REC4 units, which can give you up to 144 wireless input channels, and 12 analog outputs.

SPECIFICATIONS
Power: 12 to 24 Vdc @ 250 mA
Analog Output: 4 independent, non-isolated, retransmission 0 to 5 Vdc, 0 to 10 Vdc or 4 to 20 mA
Alarms (Programmable): One per channel, rising/falling activation
Alarm Type: Open drain, 100 mA max
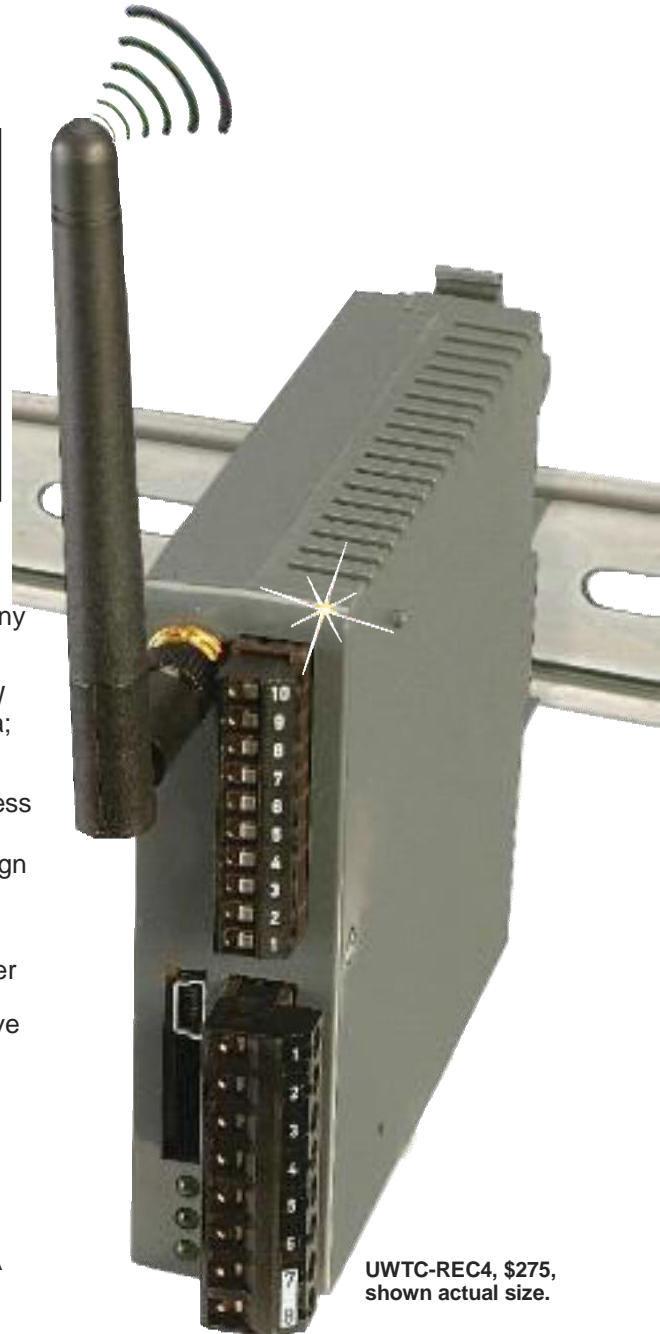**Power, Output, Alarm Connection:** Screw terminals
Operating Ambient: 0 to 55°C (32 to 131°F), 90% RH non-condensing
Radio Frequency (RF) Transceiver Carrier: ISM 2.4 GHz, direct sequence spread spectrum
RF Data Packet Standard: IEEE 802.15.4, open communication architecture
Enclosure: DIN rail (plastic)
Dimensions: 93 H x 39 W x 125 mm D (3.64 x 1.55 x 4.93")

UWTC-REC4, $275, shown actual size.

Note: The UWTC-REC4 can be powered directly by the PLC or data logger you are connecting to and will not require an additional power source if the instrument has 12 to 24 Vdc @ 250 mA available for external devices. If your instrument does not have a power source available for external devices you will need to add an additional power supply (iDRN-PS-1000, $150) to power the wireless receiver. This power supply can power up to 3 UWTC-REC4 receivers. Visit **omega.com/wireless** *for more information.*

Convenient DIN rail mount design simplifies installation and operation with PLCs and other instrumentation.
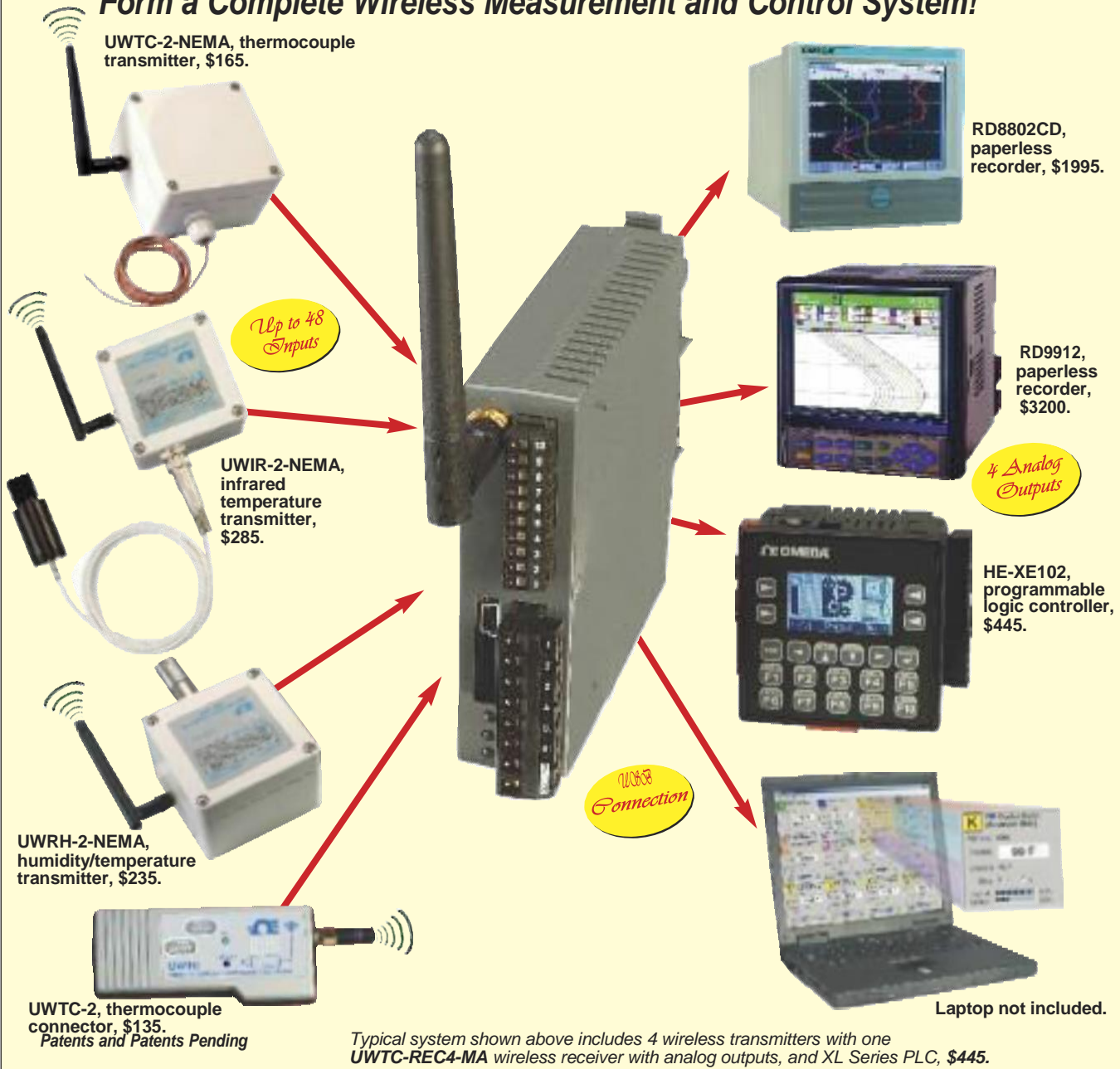
HE-XE102, $445, sold separately.

RAIL-35-1, $10, sold separately.

Shown smaller than actual size.

Interfaces Directly with PLCs and Multi-Channel Data Loggers to Form a Complete Wireless Measurement and Control System!

UWTC-2-NEMA, thermocouple transmitter, $165.

RD8802CD, paperless recorder, $1995.

Up to 48 Inputs

UWIR-2-NEMA, infrared temperature transmitter, $285.

RD9912, paperless recorder, $3200.

4 Analog Outputs

HE-XE102, programmable logic controller, $445.

UWRH-2-NEMA, humidity/temperature transmitter, $235.

USB Connection

UWTC-2, thermocouple connector, $135.

Patents and Patents Pending

Laptop not included.

Typical system shown above includes 4 wireless transmitters with one
UWTC-REC4-MA *wireless receiver with analog outputs, and XL Series PLC, $445.*

AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

MODEL NO.	PRICE	DESCRIPTION
UWTC-REC4-(*)	**$275**	48-channel DIN rail receiver with 4 analog outputs and alarms
iDRN-PS-1000	150	Power supply (switching) 95 to 240 Vac input, 24 Vdc output @ 850 mA (power 3 units)
RAIL-35-1	10	35 mm (1.4") DIN rail, 1 m (3.3') length
RAIL-35-2	15	35 mm (1.4") DIN rail, 2 m (6.6') length

Comes complete with measurement/data logging software, USB programming cable, and operator's manual.
* Specify analog output signal: "V1" for 0 to 5 Vdc; "V2" for 0 to 10 Vdc, "TC" for Type K thermocouple, or "MA" for 4 to 20 mA signal.
Ordering Example: UWTC-REC4-MA, *48-channel DIN rail receiver with four 4 to 20 mA outputs and alarms.*

More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters

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