



WIRELESS SOLUTIONS FOR
ENERGY AND ENVIRONMENT



UNWIRE

8 SERIES DATA RADIOS

MIRATRON 8 SERIES WIRELESS DATA RADIOS

T8-SML for Pulse Meters	T8-LTE for Sensors	T8-DLX for Weather Stations

Wireless Solutions for Energy Services Projects and Building Automation Systems

- Provides a cost effective, reliable, long-range wireless radio link between pulse meters or analog sensors and data acquisition systems or building automation controllers.
- Truly wireless solution with battery or solar powered models and built-in power management features.
- Simple installation and basic configuration with field selectable inputs.
- Easily accessible advanced configuration features via USB or RS-485 interface and free setup utility software.
- Flexible and scalable wireless sensor network. Combine multiple transmitter models with a single Modbus RTU or BACnet MS/TP receiver.

IDEAL FOR CHALLENGING APPLICATIONS!

Campuses

Rooftops and remote areas where hard-wiring is not practical.



Historical Buildings

Brick, stone, and protected buildings where wiring is not permitted.



Remote Locations

Wireless monitoring where external power is not available.



Agriculture

Greenhouses, orchards, and fields. NEMA/IP rated for wet or dusty locations.

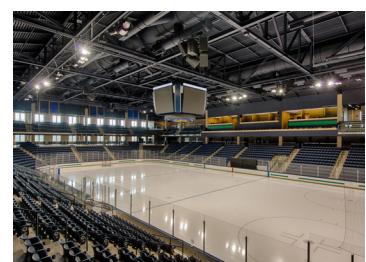
Temporary Areas

Short-term deployments for energy audits, museum exhibits, festivals, pop-ups.

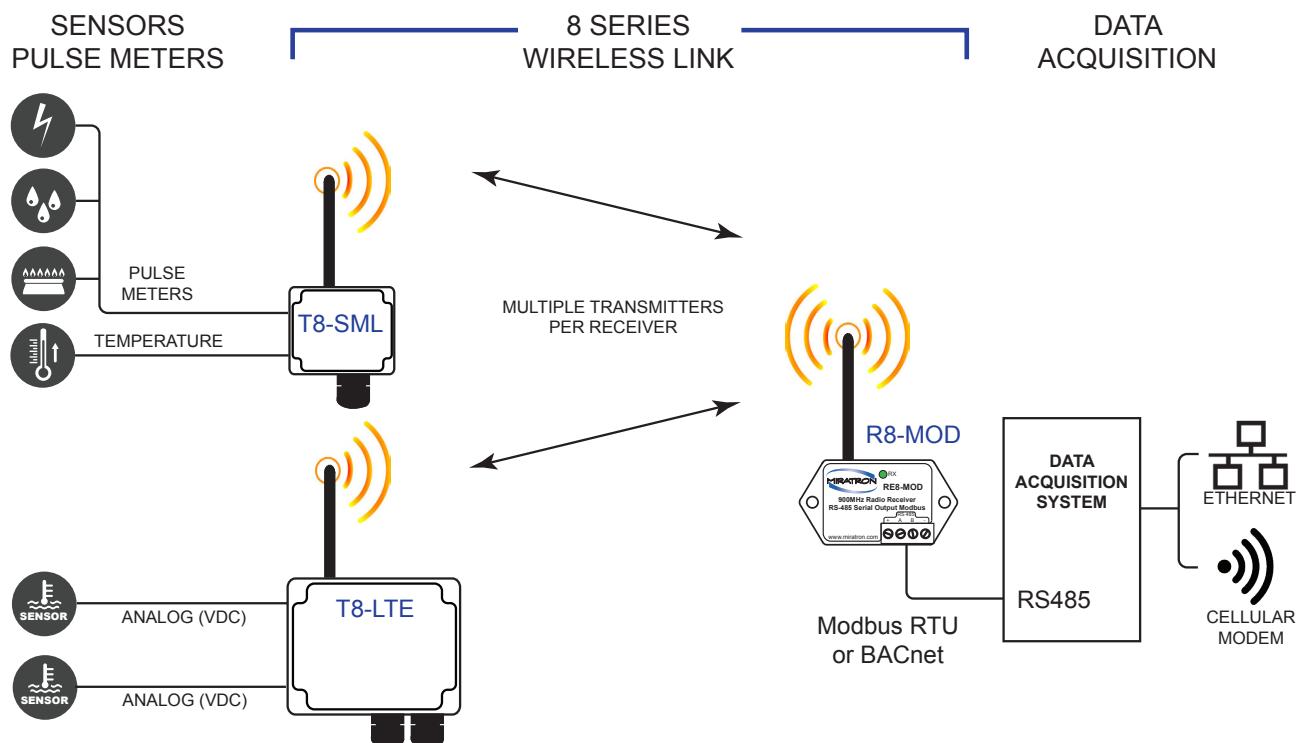


Long Distances

Eliminates wire runs over roadways, in stadiums, arenas, factories, and warehouses.



TOPOLOGY



8 SERIES TRANSMITTERS

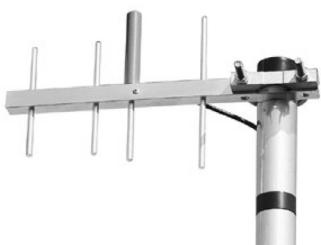
8 SERIES TRANSMITTERS			
INPUTS			
INPUTS	PULSE + THERMISTOR OR 2ND PULSE	2 X SELECTABLE ANALOG INPUTS	4 X SELECTABLE ANALOG INPUTS
SENSOR OPTIONS			
TEMPERATURE	INTEGRAL PROBE - NO INPUTS	INTEGRAL PROBE - INPUTS AVAILABLE	2 DEDICATED THERMISTOR INPUTS
RELATIVE HUMIDITY %	INTEGRAL PROBE - NO INPUTS	INTEGRAL PROBE - INPUTS AVAILABLE	✓
WIND SPEED/DIRECTION	-	-	✓
PYRANOMETER INPUT	-	-	✓
SOIL TENSION INPUT	-	-	✓
GPS	-	-	✓
POWER OPTIONS			
BATTERY	✓	✓	✓
SOLAR	✓	✓	✓
EXTERNAL	✓	✓	-
ENCLOSURE			
NEMA/IP RATED	POLYCARBONATE W/MOUNTING TABS	POWDER COATED STEEL	

Visit our website for product literature and additional information. www.energydataradio.com

R8 RECEIVER



Includes "rubber duck" antenna (not shown)



Optional Yagi Antenna for extended range.



Optional Omni Antenna

FEATURES

Compact Size

Easily integrated in tight control panels. Fits in 3" x 3" area.

Long-Range communication

Long-range 2.4GHz radio link for reliable outdoor line-of-sight operation to 1,000 feet. High power 900MHz model available for reliable line-of-sight communication up to 3 miles with directional antenna.

Easy Integration

Popular output types for compatibility with BAS systems, PLC's and DAQ's, and industrial automation systems.

Flexible antenna options

RZ8 standard range and RE8 extended range models include RP-SMA connected rubber duck. Optional external wire whip for extended range. Yagi available for improved performance.

ORDERING INFORMATION

T8 TRANSMITTERS

T□8-□□□□-□-□□□	
Radio	_____
Z	2.4GHz, Standard range
E	900MHz, Extended range
Model	_____
SML	Counting inputs for pulse meters
LTE	Analog inputs for sensors
DLX	Weather station
Power	_____
B	Battery
S	Solar
E	External (6-12vdc)
Options	_____
SML:	0 Pulse input + selectable pulse/temp input 1 Pulse + Internal Thermistor 2 Temperature probe only 3 RH/T external sensor w/SS probe/filter 4 RH/T internal sensor w/vent plug
LTE:	RHT RH/T probe (Inputs still available)
DLX:	RHT RH/T probe GPS Global Positioning Sensor

Consult website for additional options and accessories.

R8 RECEIVERS

R□8-□□□	
Radio	_____
Z	2.4GHz, Standard range w/external antenna
E	900MHz, Extended range w/external antenna
Protocol	_____
MOD	Modbus RTU
BAC	BACnet MS/TP

ACCESSORIES

PART #	DESCRIPTION
T8-VAC	Sensor kit for soil tensiometer
T8-IMM	Temperature sensing immersion probe w/armored cable
T8-ANE	Pulse to analog converter for cup anemometer
T8-PMK-DLX	Pole mounting kit for DLX model.
ANT-YAG-900	Directional long-range Yagi antenna kit w/mounting.
ANT-OMN-900	Omni-directional long-range whip antenna kit w/mounting.



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