



Agricultural



Turf & Landscape



Water Distribution



Municipal Water



Special Projects



## Radio Piccolo XR & PIU

Advanced Remote Terminal Unit (RTU) for the IRRInet System

### Radio Piccolo XR & PIU

### Features and Benefits

The Piccolo XR is a small sized wireless Remote Terminal Unit that operates as an integral part of the IRRInet system. The Piccolo XR operates up to 4 latched outputs and may receive up to 7 digital inputs (model dependent).

The PIU (Piccolo XR Interface Unit) is connected to the IRRInet Field Unit, and communicates with Piccolo-XR units via its internal two-way low-power radio.

The Piccolo XR and PIU are equipped with internal 10/100mWatt radios (configurable).

In order to extend radio coverage the Piccolo XR is capable of operating in a networking mode using numerous hops.

#### Frequency range (PIU and Piccolo XR)

- 430-450MHz
- 450-470MHz

#### PIU - I/O capacity

- Up to 248 inputs and 248 outputs
- Internal UHF two way radio
- RS232 communication to IRRInet field unit
- RS485 communication to IRRInet field unit

#### Piccolo XR and PIU Power Supply

- External 6VDC for Piccolo XR
- 6 to 12VDC for PIU

#### Available I/O models

- 1 DI / 1 DO
- 2 DI / 2 DO
- 4 DI / 4 DO
- 7 DI / 1 DO

#### Environmental Conditions

Operating temperature: -30° C to + 60° C  
(-22° F to + 140° F)

# System Topology

## Management & Control Center



## Field Units



IRRInet ACE / XL



IRRInet M

## Remote I/Os



2 Wire AC Decoder



Single Cable Piccolo RTUs



IRRInet M (Slave)



Piccolo XR

**Mottech is a worldwide master distributor of Motorola's IRRInet systems**

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