



# Weather Reach Application Notes

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## Rain Bird MAXICOM System

The WR-7 Weather Reach Receiver can provide Maxicom with ET, rainfall amounts and a sensor interrupt based on low temperature and/or high wind conditions from the Weather Reach System weather station. One WR-7 is needed for each selected weather region. The WR-7 ET and rain output is a momentary switch closure, typically set to .01” per contact. The WR-7 Weather Interrupt is a single normally closed contact opening when a programmable low temperature or high wind condition occurs. All outputs are based on information from regional weather station broadcasts via the Weather Reach System. The information is updated with each broadcast. The local Weather Reach Service Provider sets the update frequency, which can be as often as hourly to once per day.

### Maxicom Hardware Requirements

**Site Satellites & Link Satellites** – Each satellite controller has two sensor inputs. A WR-7 can provide three outputs; ET, rain and a Weather Interrupt based on low temperature and/or high wind conditions. If only one satellite is available at the WR-7 location select the desired outputs.

**Two-Wire Systems** – A separate Pulse Decoder is needed for ET and rain. A Sensor Decoder is needed for the Weather Interrupt that creates an “open” sensor condition based on low temperature and/or high wind conditions.

### Wiring

#### ET & Rain -

The WR-7 ET & Rain Pulse has two terminals each. Connect to the Sensor Input Board or Pulse Decoders.

#### Weather Interrupt

Connect the WR-7 Weather Interrupt terminals to either the Satellite sensor input or sensor decoder. The Weather Interrupt condition provides input to the CCU or Site Satellite. Maxicom does not exchange the Weather Interrupt sensor condition with other CCUs or Site Satellites.

### Maxicom Settings

#### ET & Rain

Define the input locations in the CCU Properties. Configure a new Weather Source. The Weather Reach Receiver ET output emulates the ET Gauge. The rain output is configured as a Site Rain Can. The unit per pulse setting is .01.

#### Weather Interrupt

Define the input locations in the CCU Properties. Write a sensor interrupt schedule to react to the Weather Interrupt condition.

### WR-7 System Settings

#### Version 1

Units per Pulse .01  
Pulse Per Minute = 10  
Rain Source = Broadcast  
Rain Pulse Duration = .2  
ET Pulse Duration = 2.3 seconds  
ET Enable Mode = Trigger  
Weather Interrupt = Wind and Temperature as needed

#### Version 2

Pulse Per Minute = 10  
Rain Source = Broadcast  
Rain Pulse Duration = .2  
ET Pulse Duration = 2.3 seconds  
ET Output = ET Pulse  
Weather Interrupt = Wind and Temperature as needed



# Irrisoft

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