



# Weather Reach Application Notes

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## Rain Bird IM Controller

The WR-7 can provide the IM controller with ET, Rainfall amounts, and a sensor interrupt based on low temperature and/or high wind conditions from the Weather Reach System weather station. 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 broadcast via the Weather Reach System. The information is updated with each broadcast. The local Weather Reach Service Provider controls the update frequency, which is typically set to hourly but may only be once per day.

### IM Hardware requirements

Install IM Pulse Sensor Assembly. Jumper Setting on the Pulse Sensor Card - Set J1 to "no bias" OFF position

#### Wiring

**ET & Rain** - The WR-7 ET & Rain Pulse has two terminals each. Connect one wire to desired IM Controller Pulse Sensor terminal (S4-S12). Connect the other to IM Controller Common terminal. If using the WR-7 as a rain source, wire the same way. A separate pulse sensor input is needed for the rain pulse.

**Weather Interrupt** - Connect the WR-7 Weather Interrupt terminals to a standard IM Sensor terminal (S1-3) and to the 24V- terminal.

### IM Program Settings

#### ET & Rain

K Factor = .01  
Offset = 0

#### Weather Interrupt

Sensor type = Freeze or wind  
Inhibit when = Open

### WR-7 System Settings

#### Version 1

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

#### Version 2

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