



Weather Reach Application Notes

Rain Master EG Series Eagle Controller

The WR-7 Weather Reach Receiver can provide the Rain Master EG Series Eagle controller with ET. In addition, the Eagle's rain sensor input will work with the WR-7 Weather Interrupt which provides a programmable interrupt based on rainfall, low temperature and/or high wind conditions. The WR-7 ET output is a momentary switch closure, typically set to .01" per contact. The WR-7 Weather Interrupt is a single normally closed contact. 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 sets the update frequency, which can be as often as hourly to once per day.

Hardware Requirements

One WR-7 Weather Reach Receiver provides inputs for one Rain Master RME_ EG controller.

Wiring

ET - Connect the Rain Master Eagle J12 connector, pins 5&6 (blue wire and white with blue stripe wire) to the WR-7 "ET Pulse" terminals.

Weather Interrupt - Connect the Rain Master Eagle J12 connector pins 1&2 (silver wire and copper wire) to the WR-7 "Weather Interrupt" terminals.

Eagle Program Settings

ET - See chapter 8 – ET Setup, in the Rain Master Eagle Controller manual.

Weather Interrupt - See chapter 6 – Rain Sensor Setup, in the Rain Master Eagle Controller manual.

WR-7 System Settings

Version 1

Rain Source = Broadcast or Local
Rain Per Tip = either .01 or 1mm per tip based on the type of tipping bucket rain collector used
ET Enable Mode = Trigger
Pulse Per Minute = 10
Units per Pulse = .01
ET Pulse Duration = 1.0 seconds
Weather Interrupt = Wind and Temperature as needed

Version 2

Rain Source = Broadcast or Local
Rain Per Tip = either .01 or 1mm per tip based on the type of tipping bucket rain collector used
Pulse Per Minute = 10
ET Pulse Duration = 1.0 seconds
ET Output = ET Pulse
Weather Interrupt = Wind and Temperature as needed



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