



# RAIN GAUGE

Part# 630-0209-000

## Description

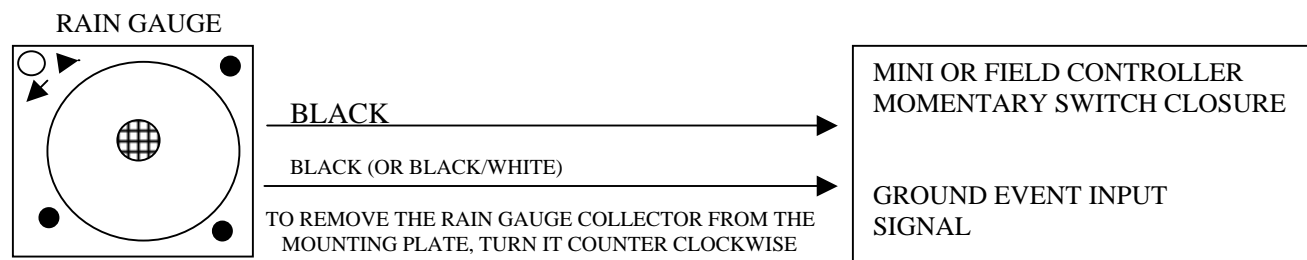
Automata's Rain Gauge is an economical 8" tipping bucket style rain gauge with a resolution of 0.01". Each tip represents 0.01" of rain. It is ideal for most agricultural applications. The electric output is a momentary switch closure.



## Installation

1. Mount the Rain Gauge above ground on a 2" pipe in an open area using the attached mounting bracket.
2. Run the wire from the collector to the MINI or the Field Station accumulator input.
3. Connect the wires to the proper event input. Refer to the Specification Sheet and Wire Diagrams to locate the proper input channel. Either of the two wires can be used for the ground. The other will then become the signal wire.
4. To remove the collector, loosen the hold down screws and twist the collector counter clockwise. Do not remove the white of Teflon spray on the dipper. Do not adjust the screws under the dipper, as this will affect the calibration.
5. Check the operation of the Rain Gauge by tipping the dipper in the collector back and forth with your finger. Verify that the MINI or Field Controller responds by watching the transmitter LED. It should flash momentarily whenever the dipper is tipped. At the computer, verify that each tip of the dipper registers as an added .01 inch of the rain.
6. Reassemble the Rain Gauge and reset the MINI or Field Controller to clear the accumulator to zero. Freezing weather will not damage the unit; however, readings of snow or freezing rain will be inaccurate.

<b>Housing</b>	High Impact Polypropylene
<b>Transducer</b>	Tipping bucket of specially formulated plastic for low surface tension
<b>Switch</b>	Dry reed switch
<b>Output</b>	Less than 0.1 sec. switch closure.
<b>Capacity</b>	6 to 24 VDC @ 500ma
<b>Resolutions available</b>	0.01 inches, 0.25 mm, 0.2 mm, 0.1 mm
<b>Accuracy</b>	1.5% at 0.5 per hour
<b>Collector diameter:</b>	8 inches (203.2 mm).



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