

## 260-RGAI-70 Rain Gauge Analog Output Interface

The **260-RGAI-70 Rain Gauge Interface** converts the signal from a tipping bucket rain gauge into a 4-20 mA current loop signal, ideal for input to a PLC or SCADA system. Each tip of the rain gauge bucket causes the output signal to increase 1% of full scale. Full scale represents 100 tips of the bucket.

### Applications

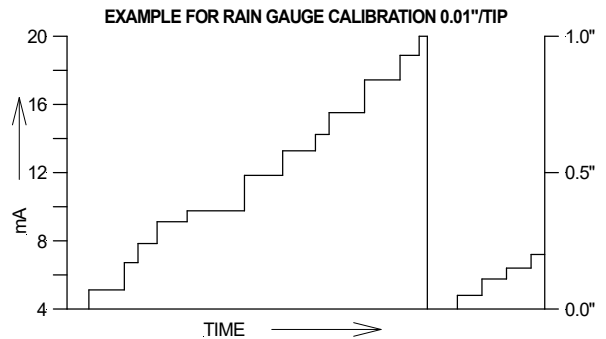
- Meterological Studies
- Irrigation Monitoring/Control

### Features

- +/- 1% Accuracy
- 4-20 mA Loop Powered
- 12-24 Vdc Input
- NEMA Enclosure
- Rain Detector Mode  
(4mA = no rain, 20mA = rain detected)



The 260-RGAI-70 can be used with any tipping bucket gauge that has a dry contact output. The calibration of the gauge can be inches or millimeters. A common calibration unit is 0.01" of rainfall per tip of the bucket. In this case, the full scale output (20mA) represents 1 inch of rain. The output remains constant at the end of each tip until the next tip occurs.



Accuracy	Electronics: +/- 1% Rain Gauge: depends on model chosen
Input	Dry contact switch closure (rain gauge sold separately)
Output	4-20 mA Loop Powered (12-24 Vdc supply)
Maximum Loop Resistance	$R_{max} = (V_{supply} - 10V) / 20mA$
Rain Detect Mode	User selectable 1-80 minute pulse period
Environmental	30°F to 158°F (0°C to 70°C) -40°C to 70°C available
Dimensions	3.8" x 4.6" x 2.4" (97 x 117 x 61 mm)
Weight / Shipping	0.35 lbs / 1 lb ( 159g / 454 g)

### Ordering Information

- 260-RGAI-70 Rain Gauge Analog Interface, with enclosure, no cable
- 260-RGAI-70MB Wall mounting bracket for enclosure
- 330-0220 Cable, 2-conductor, 20AWG, per foot
- 720A2760 Rain Gauge Analog Interface circuit board with Snaptronic mount, no enclosure, no cable