Precip Sensor™

The Precip Sensor uses Tipping Rain Bucket technology to interface with a Baseline biCoder, sending data to the BaseStation 3200. The BaseStation 3200 will store the historical rainfall measured and act on the data to Start, Stop, or Pause irrigation.

Precip Sensor Features

- Uses Tipping Rain Bucket technology

- Exceptional splash-out protection reduces wind errors

- Easy installation and maintenance

- Rugged aluminum exterior

- Anodized aluminum collector for weather resistance

- The BaseStation 3200 can support up to 8 Precip Sensor devices.

- Supports Baseline's documented two-wire run lengths. See Baseline's Two-Wire Technical Specification for details.

Precip Sensor Specifications

- Accuracy: 0-1 in. (25mm) per hour; +/-2%

- Collector diameter: 3.90" (100mm) with knife-edge

- Funnel Depth: 3" (76 mm)

- Splash out protection: >1.5" (38mm)

- Operating Temp: 32 to 125°F (0 to 50°C)

- Storage Temp: -40 to 160°F (-40 to 70°C)

- Humidity Limits: 0-100%

- Weight: 2lbs. (0.9 kg)

- Height: 6" (152mm)

- Cable: 10', 22 gauge 2 conductor

- Switch: Momentary potted reed switch

- Switch rating: 30VDC@ 2A, 115 VAC @ 1A

- Switch Closure Time: 135 ms

- Bounce Settling Time 0.75 ms

- Pivot: Ground bronze pivots with hardened stainless steel shaft

- Bucket: Black ABS injection molded

- Level: Integral Bubble Level

BiCoder Features

- All biCoders are fully sealed, submersion proof, and approved for direct bury.

- Shock resistant

- Freeze/head resistant -4°F to 140°F (-20°C to 60°C)

- Manufactured with 24 inches of 16-gauge PVC jacketed solid core wire to connect to the two-wire

- All biCoders have built-in LEDs that blink during communications.

- The rain gauge biCoder has an additional LED that blinks when it's raining

- Built-in surge protection

- All biCoders carry Baseline's standard conditional five-year exchange warranty.

- Decoder hardware type = 5.32

- Default "R-value" is 100 (100 pulses per inch).

BiCoder Electrical Specifications

2-WIRE (RED & BLACK) INPUT

2-wire Loads	2
Voltage	20 – 35Vdc
Current	10mA
Surge Clamping Voltage	48V
Surge Current - Peak Pulse (10/1000µs)	8.7A

PRECIP SENSOR PULSE WIRES

White w/Black Stripe	Common
Red w/Black Stripe	Pulse Input

RED W/BLACK STRIPE WIRE PULSE INPUT

Max Current	1.5mA
Max Voltage	10.5Vdc
Minimum Low Pulse Width	4mS
Maximum Frequency	100Hz
Maximum Pulse Rate	100pps
Surge Clamping Voltage	48V
Surge Current - Peak Pulse (10/1000µs)	8.7A

MAX WIRE LENGTH

Decoder to Precip Sensor sensor	250 feet, 22 gauge

This specification is subject to change without notice.

Warranty

The Precip Sensor device will carry a standard warranty of 3 years. The Precip Sensor Decoder will carry a standard warranty of 5 years.

How to Specify

BL-RB400   Precip Sensor

BL-5407   Precip Sensor Decoder

BL-5407-KIT   Precip Sensor Kit. Includes Precip Sensor, Precip Sensor Decoder, DBR/Y Wire-Connectors.

BL-5407-KIT-PRO   Precip Sensor Kit Pro. Includes Precip Sensor, Precip Sensor Decoder, BL-5311 Moisture Sensor, DBR/Y Wire-Connectors

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