

# MODEL 2400-50

## Tip Rate Compensator

- Easy Setup
- Economical
- Improved Accuracy at Any Given Rain Rate



PHONE: (800) 275-2080

HIGH SIERRA ELECTRONICS, INC.

FAX: (530) 273-2089



### BENEFITS:

- Record accurate rainfall fluctuations from year to year to make better water management decisions.
- Use as an effective tool for stormwater management to determine possible sewer overflows.
- Provide more specific and accurate information on the potential for flooded roads.

### DESCRIPTION:

The Model 2400-50 tip Rate Compensator (TRC) is designed to add a correction to the accumulated rain totals to compensate for either very high or very low rain rates. This product has been designed to factor in losses in collected water that occurs each time the tipping bucket passes through the center point. A small volume of water is not collected as it flows to the bucket side that has already been counted.

A microprocessor in the Compensator tracks the time between tips and thus establishes the current rate of rainfall. With each tip, a proprietary algorithm calculates the water that falls into the full side of the bucket while it is tipping. When this amount totals the equivalent of a tip, the compensator puts out a count just as a tip of the bucket would do, which adds to the transmitter's precipitation accumulator and initiates a transmission. The Compensator is easy to install by connecting in-line between the 5-pin MS connector of the rain gauge and the transmitter.

### SPECIFICATIONS:

Accuracy	..... ± 1%
Operating Voltage	..... 4 to 16 VDC
Current Draw	..... < 15 uA (Avg)
Cable	..... 15 in (15.2 cm)
Connectors	..... 5 pin MS Male and Female
Dimensions	..... 1.25 x 8 in (3.2 x 20.3 cm) (Dia. x L)
Weight	..... 0.3 lbs (135.3 g)
Shipping Weight	..... 1 lb (0.5 kg)

See [www.highsierraelectronics.com](http://www.highsierraelectronics.com) for more specification and ordering information.

02-2400-50(B)

*Environmental Monitoring Solutions*

WEB SITE: [www.highsierraelectronics.com](http://www.highsierraelectronics.com) E-MAIL: [sales@highsierraelectronics.com](mailto:sales@highsierraelectronics.com)