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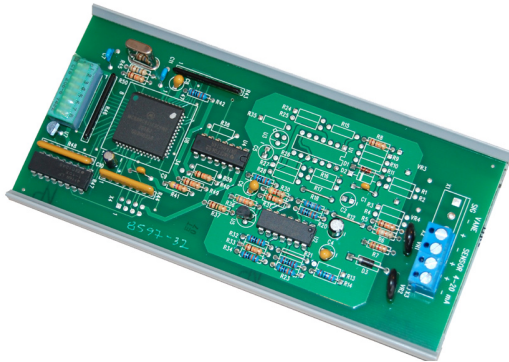
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Rainfall Transmitter

Model RLT



Track mounted transmitter

DESCRIPTION & FEATURES

The RLT converts the output of a tipping bucket rain gauge to a 4-20 mA signal. The RLT rain gauge is fabricated of heavy duty PVC, aluminum and stainless steel. It consists of an outer funnel, screen, inner funnel and tipping bucket assembly. Precipitation entering the collection orifice fills the calibrated tipping bucket assembly. When the bucket fills to the calibrated amount, the bucket tips. Another bucket is brought into place and the precipitation sample is discharged through the dump tubes to the ground below. This produces a switch closure which is detected by the electronics in the separate transmitter. The 4-20 mA transmitter board is track mounted and powered by the milliamp loop. Each tip of the bucket causes the output signal to increase 1% of full scale. The rain gauge range is 0-1.00" over the 4-20 mA output. The transmitter will reset after 100 bucket tips or 1" of precipitation.



Rain Gauge

ORDERING INFO

PART NUMBER

RLT Rainfall Gauge with 20' 2 conductor cable and 4-20 mA transmitter

ACCESSORIES

SA2W Wall mount 2 wire Surge/Lightning Arrestor
 SA4W Wall mount 4 wire Surge/Lightning Arrestor
 DK191 Loop Powered Display Series
 DK190F Loop Powered Display
 DK807/907 Loop Powered Display Series
 BDR-924/999 4-20 mA Controlled Display Series
 PW1.0 Power Supply
 PW1.5 Power Supply
 PW2-24 Power Supply
 CVC 4-20 mA Calibrator

SPECIFICATIONS

Range:	0-1.00" = 4-20 mA output
Electronics Accuracy:	+/-1%
Rain Gauge Accuracy:	+/-4%
Transmitter Dimensions:	Track Mount 2.5"W x 6.25"L x 1.5"H
Rain Gauge Dimensions:	8.4" Diameter x 12.0"H
Shipping Weight:	8 lbs.
Operating Temperature:	Rain Gauge -40 to 60° C Transmitter 0 to 60° C
Transmitter Connections:	Screw terminals for 12AWG or smaller
Transmitter Power:	Powered by the 4-20 mA loop current
Rain Gauge Mounting:	3 equally spaced legs with 1/4" bolt holes on 9.5" diameter bolt circle
Accessories:	Surge/Lightning Arrestors

