

DESCRIPTION

APPLICATION/OPERATION: The Electronic Reading Collectors consist of two similar products: The Splitter and the Converter. Both products are designed to work with the Recordall® Transmitter Register (RTR®) for the Turbo Series meter.

The Splitter product has a Splitter function which provides two (2) separate outputs of the same total from the RTR register.

The Converter is designed to work with the RTR and sends a totalized output compatible with the 570 Read-O-Matic® register.

MOUNTING: The Splitter and the Converter are attached to the Turbo Series meter and connected to the RTR using a waterproof connector.

CONSTRUCTION: The housing is constructed of high strength, corrosion-resistant polymer. The electronics are factory potted to insure long operating life.

TEMPERATURE: Operating range is -40°C to 60°C (-40°F to 140°F).

MOISTURE: The Electronic Reading Collectors are water resistant and designed for use in flooded meter pits or vaults.

ELECTRONICS: The circuit board is completely sealed against moisture by being potted in place to assure protection from water.

ELECTRICAL: The electronic circuitry is designed to provide immunity to electrical surges and transients.

OPERATING CHARACTERISTICS: The Splitter has an output 1/10th of the test circle of the high flow RTR with the characteristics of an open drain FET. The Converter has an active output pulse with a resolution of one pulse per 10 revolutions of the test circle of the RTR. This active output is compatible with the 570 register.



SPLITTER SPECIFICATIONS

Humidity	0 to 100% Condensing
Operating Temperature	-40 to 60°C (-40 to 140°F)
Output Signal Characteristics	Open Drain (FET)
Resolution	1/10th of Test Circle of RTR
Typical Signal Duration	22 ms to 42 ms Over Temperature Range
On State Resistance	Less than 100 Ohms @ 25°C (77°F)
Off State Impedance	Greater than 10 Meg Ohms
Power Source	Single Lithium Manganese Dioxide Battery with battery life of 10 years under typical operating conditions
Maximum Switching	30 VDC @ 1 mA @ 25°C (77°F)

CONVERTER SPECIFICATIONS

Humidity	0 to 100% Condensing
Operating Temperature	-40 to 60°C (-40 to 140°F)
Resolution	1 Pulse per 10 Revolutions of Test Circle of the RTR
Typical Signal Duration	22 ms to 42 ms Over Temperature Range
Power Source	Four Lithium Manganese Dioxide Batteries with battery life of 10 years under typical operating conditions

Read-O-Matic®, RTR® and Recordall® are registered trademarks of Badger Meter, Inc.

SUM-T-29

10-03



Please see our website at
www.badgermeter.com
for specific contacts.

Copyright © Badger Meter, Inc. 2003. All rights reserved.



Badger Meter, Inc.

P.O. Box 245036, Milwaukee, WI 53224-9536
(800) 876-3837 / Fax: (888) 371-5982
www.badgermeter.com