

# ELECTRICAL OUTPUT REGISTERS

ELECTRICAL  
OUTPUT REGISTERS  
IP-68 PLUS

## IP-68 PLUS



### CONVERT TO ELECTRICAL OUTPUT, RELIABLY.

Compatible with Master Meter Multi-Jet Cold Water Meters, Hot Water Meters and Turbine Meters, our EOR registers are built tough to withstand even the toughest pit settings. Flooded, hot, humid conditions are no longer a concern. Master Meter's EOR registers have been distinctively designed to encompass many features to conform to the IP-68 environmental rating – a rating suited for an all weather-enclosed product protected from continuous water immersion.

For maximum flexibility Master Meter's EOR registers are offered in single as well as dual volume output. It is because of this unique feature that these registers are immune from conditions that may lead to incorrect pulse count.

Master Meter's EOR registers are purpose-built solutions specifically developed with a sturdy, ruggedized design and vacuum-sealed components, to meet your metering and data output requirements.

### TECHNICAL SPECIFICATIONS:

- \* **DESCRIPTION:** Registers compatible with Master Meter 5/8" to 2" Multi-jet Cold or Hot Water Meters and 2" to 12" Turbine Meters providing single or double contact closure corresponding to defined volume increments.
- \* **APPLICATIONS:** In utility, industrial & agricultural installations where: Totalization is required at a site remote from the meter • Precise volume input to batching equipment is required
- \* **CONSTRUCTION:** Hermetically sealed, magnetic drive register, with stainless steel register base, plastic lens and wraparound gasket, conforms to IP 68 environmental rating to ensure no fogging and no tampering. A standard six-wheel mechanical odometer accommodates on-site reading when required.
- \* **OUTPUT:** Quantity of water per switch closure varies with meter size. Output options include 1, 10 and 100 percent of register sweep, specified on order. Output options by meter size and registration are summarized on the reverse side of this bulletin. Volume Output type: EV.
- \* **COMPATIBLE EQUIPMENT:** Master Meter: LCD Remote Counter & Batching Unit. Other Equipment: Electrical/electronic counters, totalizers, actuators, injection equipment and proportional feed pumps.
- \* **WIRING DISTANCES:** Reed switch assembly is factory sealed to 3 feet of 24 gauge, 2-conductor stranded cable. Remote counting or batching equipment can be installed up to 200 feet from the meter, connected by 24 gauge, 2-conductor stranded cable.
- \* **ELECTRICAL SPECS:** Maximum Switched Current: 50 mA; Maximum Recommended Switching: 48 Volts (AC or DC); WARNING: We recommended contacts be kept within the stated parameters. Contact Resistance: 70 mOhms; Power Requirements: Electrical output register consumes no power, making it suitable for use with low current, dry battery powered devices.
- \* **WARRANTY:** Electrical Output registers are warranted for one year from shipment date.



# ELECTRICAL OUTPUT REGISTERS

## FOR MULTI-JET AND TURBINE METER

### REGISTER OUTPUT OPTIONS BY METER TYPE, SIZE AND REGISTRATION

\* For DBC Compound Meters, refer to Turbine Meters for main side, and Multi-jet or PD for bypass.

#### USAGE IN GALLONS

Meter Type/Size	Gallons Per Switch Closure					
	0.1 g	1 g	10 g	100 g	1000 g	10.000 g
<b>Multi-jet Meters</b>						
5/8" & 5/8" x 3/4"						
3/4", 1", 1-1/2", 2"						
<b>Turbine Meters</b>						
2", 3", 4"						
6", 8", 10", 12"						

#### USAGE IN CUBIC FEET

Meter Type/Size	Cubic Feet Per Switch Closure					
	0.01 cf	0.1 cf	1 cf	10 cf	100 cf	1000 cf
<b>Multi-jet Meters</b>						
5/8" & 5/8" x 3/4"						
3/4", 1", 1-1/2", 2"						
<b>Turbine Meters</b>						
2", 3", 4"						
6", 8", 10", 12"						

#### USAGE IN CUBIC METERS

Meter Type/Size	Liters			Cubic Meters			
	1/15	10/1	100/15	1 m <sup>3</sup>	10 m <sup>3</sup>	100 m <sup>3</sup>	1000 m <sup>3</sup>
<b>Multi-jet Meters</b>							
5/8" & 5/8" x 3/4"							
3/4", 1", 1-1/2", 2"							
<b>Turbine Meters</b>							
2" & 3", 4" & 6" optional							
4", 6"							
8", 10", 12"							

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