Industrial Registers

Model ER-6/R (Remote) Digital Resettable Totalizer

Badger Meter

DESCRIPTION

The Badger Meter® Model ER-6 register is a remote totalizer designed for use with all Badger Meter meter product lines. A rear adapter plate is provided for attachment to a wall or other suitable surface.

The ER-6 is only offered in the remote style as it requires a scaled pulse input from the meter. The unit is battery powered.

The totalizing function uses an easy-to-read, 8-digit numeric LCD display. The display can be reset to zero from the front panel button or from an external switch wired directly to a rear terminal. The front panel Reset button can be inhibited.

You can backlight the display by connecting a DC power source to the unit.

When the battery is low, an indicator appears on the screen a couple weeks before the end of the battery life to remind the operator that the battery is in need of replacement.

OPERATION

The ER-6 simply totalizes all pulses received. If a scaled pulse is not available, consider using the Model ER-9 or ER-10 units, which have a scaling feature.

FEATURES

- All solid-state components for long life
- Battery powered with memory retention
- Low battery indicator
- Corrosion-resistant plastic housing built to NEMA 4X specifications
- Backlit display available
- Front panel totalizer Reset switch can be disabled

Product Data Sheet

SPECIFICATIONS

Count Input (Terminal 2)	
Type	NPN signal, contact closure
Count speed	NPN, 280 Hz maximum, Contact, 95 Hz maximum
Logic	Low < 1.0V DC, High > 2.0V DC
Minimum pulse width	NPN,1.78 µs, Contact, 5 ms
Maximum input	28V DC
Impedance	1 Meg to battery

Front Panel Reset Enable (Terminal 5)	
Type	NPN signal, contact closure; level sensitive
Maximum input	28V DC

Remote Reset Input (Terminal 4)	
Type	NPN Signal, Contact closure; edge sensitive
Frequency response	30 Hz (50% duty cycle)
Maximum input	28V DC

Operating Temperature	
Indicator	32…140° F (0…60° C)

Power Source	
Type	Single 3V Lithium battery
Replacement part #	62576-001
Battery life expectancy	5 years
Low power indicator	"Low Bat" flashes on display approx. 2 weeks prior to end of battery life

Display	
Type	Supertwist LCD for use with or without backlighting
Number	8 digits
Height	12 mm (0.472")
Backlighting	Green Illumination over whole viewable area with a 10…28V DC supply (Terminal 8)

Physical	
Dimensions	36 mm x 72 mm, 38 mm deep (1.417" x 2.835", 1.496" deep)
Mounting	Panel mount (mounting bracket supplied) 33 mm x 68 mm (+ 0.3 mm) panel cutout 1.299" x 2.677", (+ 0.012") panel cutout
Connections	Up to 8 screw terminals
Weight	Approximately 13 ounces

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