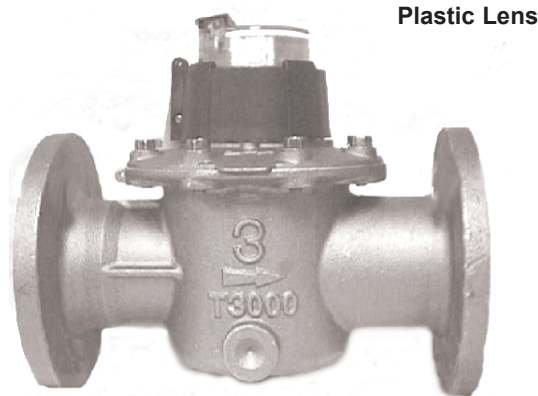


Specification Sheet

Digital Register for T3000



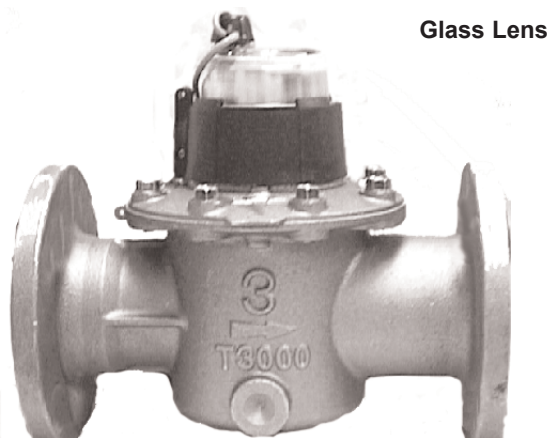
Plastic Lens

Description

The Digital Register may be used with AMCO Water Metering Systems' T3000 Turbine cold water meters, sizes 1-1/2" - 12". This register provides a volt-free reed switch closure for a specific volume of metered water (see specifications). The actual pulse resolution and units of registration are printed on the dial plate.

AMCO's Digital Register is available with either a plastic or glass lens register and can be ordered as part of the meter or as a retrofit to an existing T3000 meter. Glass lens units are suited to long-term submersion (pit) applications and are supplied with 9-10 feet of 3-wire cable. Electrical connections are not polarity sensitive and are to be made using two wires connected in series to the internal reed switch and a 100 Ohm resistor (see schematic on reverse). This register requires power from an external source and is suitable for use with remote counters.

When added to a standard T3000 water meter, the Digital Register adds 2.5" to the height of the meter. The glass version of the Digital Register adds 5.5 ounces to the weight of a T3000 and the plastic version adds 0.5 ounces.



Glass Lens

Specifications

Materials

Pulser can: Copper Alloy, 90%
 Pulser lens: Glass or Plastic
 Pulse Element: 10W Reed Switch, 100 Ohm Resistor
 Gland/Cable: 9-10 ft. 3-Wire standard with glass lens for RF capability. No cable supplied with plastic lens.

Contact Closure	(Cont/USG)	(Cont/CuFt)	(Cont/Litres)
1-1/2"	1/10	1/1	1/100
2"	1/10	1/1	1/100
3"	1/100	1/10	1/100
4"	1/100	1/10	1/100
6"	1/100	1/100	1/1000
8"	1/100	1/100	1/1000
10"	1/1000	1/100	1/1000
12"	1/1000	1/100	1/1000

Registration: 1 Revolution of Sweep Hand

	USG	CuFt	Litres
1 1/2"	100	10	1000
2"	100	10	1000
3"	1000	100	1000
4"	1000	100	1000
6"	1000	1000	10000
8"	1000	1000	10000
10"	10000	1000	10000
12"	10000	1000	10000

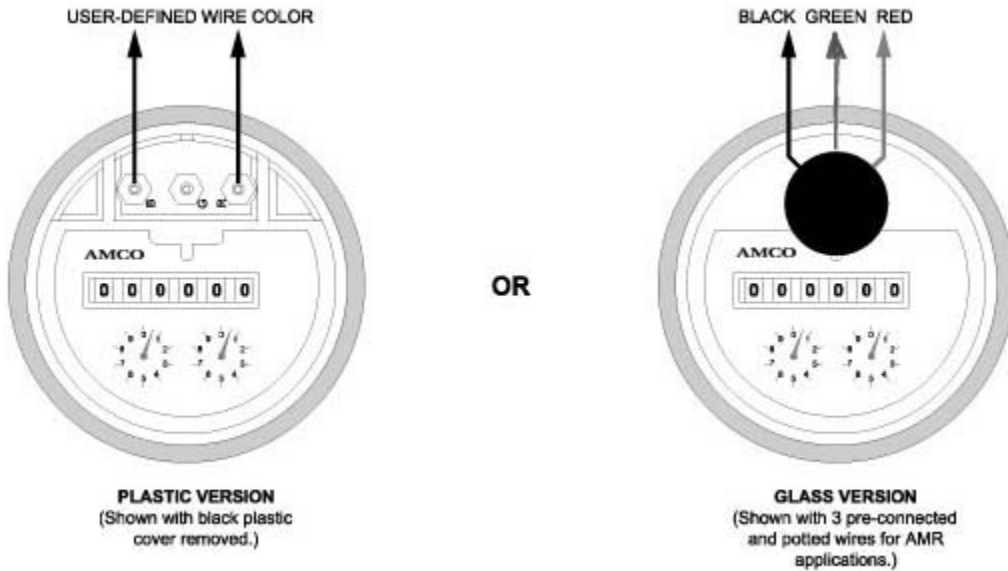
Electrical Ratings

Maximum Voltage: 50 VDC
 Maximum Current: 50 mA
 Duty Cycle: 50±15% (Closed/Open)

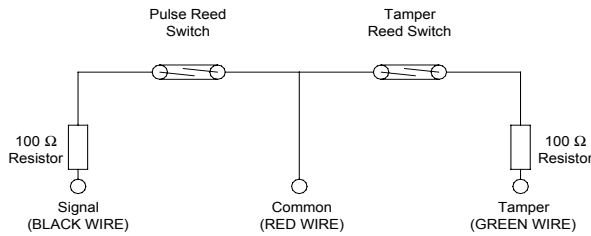
Note: These units are NOT repairable.

Connections

The Digital Register may be connected via two terminals, as follows:



A maximum run length of 50 feet is recommended, however runs up to 500 feet are possible if shielded cabling is routed away from electromagnetic sources. Cable sizes from 24-32 AWG are acceptable. Wiring is not polarity sensitive (see schematic below).



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