## Description

Transmits a scaled electrical pulse signal (switch closure type) for each discrete unit of liquid volume metered during a batching cycle and continuous digital totalized readings. The 6" dial face with gasketed viewing glass display, contains 5 digits to display non-resettable totalization and can be configured to display any standard engineering unit (i.e.; U.S. gallons, Imp. gallons, pounds, and liters). A large sweep hand is located in the center of the register. The sweep hand can not be reset. A microswitch is activated each revolution of the sweep hand. The value of the pulse is equal to the range of the dial face. Variations are possible by adding lobes to the cam (up to 10) and or changing the range of the dial face. Maximum sweep hand speed is 60 RPM.

Mounts to

| Meter Type | Size | Meter Materials |
|---|---|---|
| Nutating Disc | 1" - 2 ½" | Epoxy Coated Cast Iron |
| | 1" - 2" | Bronze |
| Oscillating Piston | 1" or 2" | Stainless Steel |



R-30D Pulse Transmitter Batch/Totalizer Register

## Technical Information
### Functional Specifications

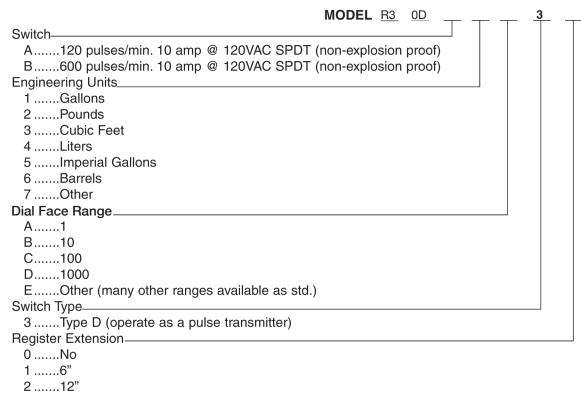| Registration | U.S. gallons, Imp. gallons, pounds, liters, etc. |
|---|---|
| Value per Rev | 1/10/100/1000/other |
| Operation | Mechanical drive |
| Sweep Hand | Non resettable |
| Display Outputs | Digital Non-resettable Total with sweep hand |
| Display Digits | 5 |
| Microswitch | Form C Dry Contact Rating: 10A @ 120 VAC, SPDT/120 or 600 pulses/min |
| Temperature | Use vertical extension if liquid >250°F (121°C) Plastic <140°F (60°C), Metal >140°F (60°C) |

### Physical Specifications

| Materials of Construction | |
|---|---|
| Case | Epoxy Coated Aluminum |
| Frame | Zinc |
| Shafts | Brass |
| Gears | Brass |
| Bearings | Graphite Bronze |
| Number Wheels | Brass |
| Pointer | Aluminum |
| Dial | Aluminum |
| Adapter | Aluminum |
| Mounting Position | Top/Horizontal Vertical Dial Face |

## Ordering Information

MODEL  R3  0D  ___ ___ ___  3  ___

Switch
   A.......120 pulses/min. 10 amp @ 120VAC SPDT (non-explosion proof)
   B.......600 pulses/min. 10 amp @ 120VAC SPDT (non-explosion proof)
Engineering Units
   1 .......Gallons
   2 .......Pounds
   3 .......Cubic Feet
   4 .......Liters
   5 .......Imperial Gallons
   6 .......Barrels
   7 .......Other
**Dial Face Range**
   A.......1
   B.......10
   C.......100
   D.......1000
   E.......Other (many other ranges available as std.)
Switch Type
   3 .......Type D (operate as a pulse transmitter)
Register Extension
   0 .......No
   1 .......6"
   2 .......12"
*A multiplying factor is used with totalizer reading*

## Dimensions (inch)