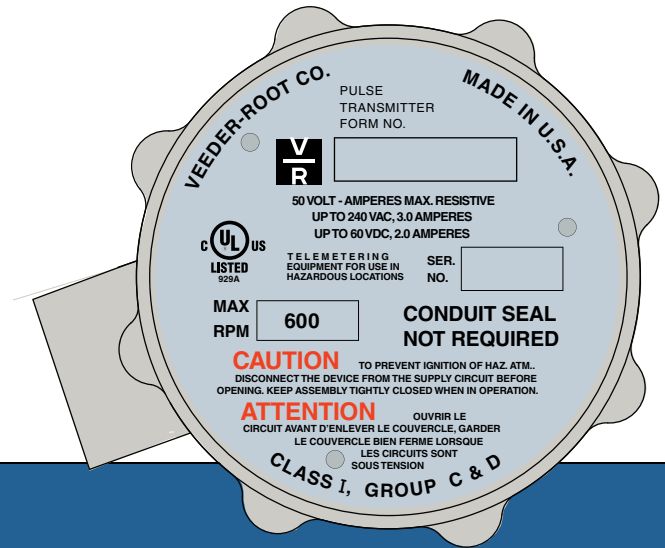


# 7697

## PULSE TRANSMITTER



### RELIABLE . . . . LONG LIFE

- cULus Listed
- Square wave pulse, Minimum contact bounce
- 10 pulses per revolution

- Bidirectional operation
- Mount in any position
- Explosion proof construction

#### APPLICATIONS

The Series 7697 Pulse transmitter has been designed for use with gasoline pump computers and is suitable for many applications where counting rotations and transmitting to counters in remote indicating and data collection systems. It provides fast, accurate pulsing for counters, printers, and stepping motors used with remote indicating, totalizing, and data systems. The 7697 is a direct replacement for the 10 pulse per revolution 1871 Pulser.

#### DESCRIPTION

The Pulse Transmitter consists of a proprietary rotary magnet and a reed switch.

The Series 7697 Pulser consists of a rugged die cast explosion-proof housing with a screw type cover. Long life is a feature of this unit.

#### MODELS

**Series 7697** - Bidirectional operation. Specify input shaft length.

#### SPECIFICATIONS

Specifications listed are standard unless otherwise noted. Optional features listed are available at additional cost.

**Pulse Frequency:** 10 cycles per revolution of input shaft.

**Contact Rating:** Maximum 50 VA resistive, not to exceed 240 V or 3 amperes.

**Switch Type:** Single pole, single throw.

**Contact Resistance:** 100 milliohms

**Actuating Time:** 1 millisecond average

**Contact Bounce:** 1 millisecond average

**Speed:** 0 to 600 pulses per minute. 600 rpm maximum input shaft speed.

**Pulse Timing:** 40 to 60% on, the balance off.

**Mounting Position:** Operable in any position, clockwise or counterclockwise rotation.

**Temperature:** -40 to +160°F.

**Torque:** 3.0 oz-in (216.2 g-cm) maximum.

**Life Expectancy:** Up to 200 million pulses, depending on electrical loads and input shaft speed.

**Contact Protection:** Arc suppression is required when used in inductive circuits. Type and value of suppression will vary with coil and coil voltages under consideration

**Housing:** cULus, explosion-proof Class 1, Groups C and D. Cover holes provided for wire seal.

**Mounting:** .250-20 UNC-2B blind tapped holes spaced 120° apart on a 2-1/2 inch (63.5 mm) diameter bolt circle are provided on the shaft end of the housing for mounting.

**Leads:** #18 AWG stranded 90°C petroleum resistant wire is soldered to the terminals of the dryreed switch and extends through a side opening in the housing which is pipe tapped for 1/2 inch rigid conduit. One green ground wire also extends through the side opening. Available wire lengths are 18, 48 and 60 inches.

