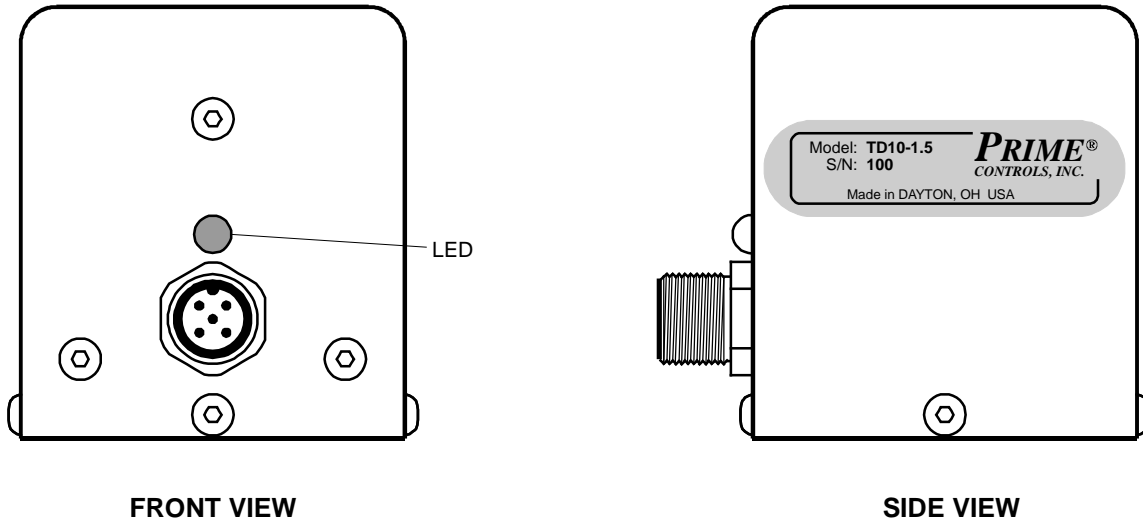


# OPERATING INSTRUCTIONS

## MODEL TD10 PRESSURE SENSOR



The Prime Controls Model TD10 Pressure Sensor family provides calibrated absolute linear pressure measurements in a variety of ranges. The transducer and electronics of the unit are housed in an aluminum enclosure measuring 2 in. (50.8 mm) wide by 2 in. (50.8 mm) long by 2.25 in. (57 mm) high. The connector extends approximately 0.49 in. (12.5 mm) from the face of the enclosure.

### Pressure Ranges

The table below lists the model numbers of the TD10 family members and their respective linear pressure ranges and maximum pressure ratings. Pressures above the listed maximum will permanently damage the sensor.

Model Number	Linear Pressure Range	Max Test Pressure
TD10-1.5	0 to 1.5 PSI	15 PSI
TD10-10.0	0 to 10 PSI	45 PSI
TD10-12.0	0 to 12 PSI	45 PSI
TD10-15.0	0 to 15 PSI	90 PSI
TD10-30.0	0 to 30 PSI	190 PSI

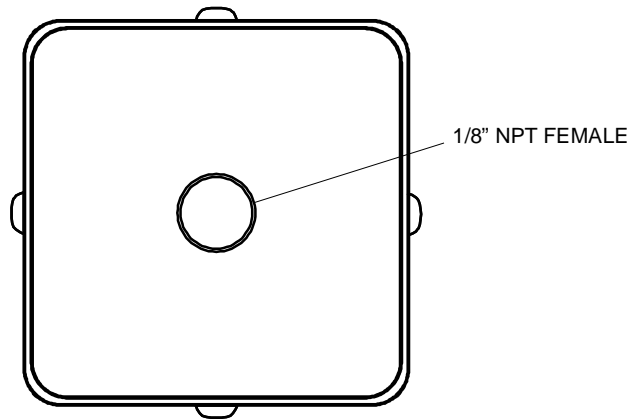
### Electrical Connection

The TD10 is designed to connect to and communicate with a specialized controller such as the LTC100 or PS100. The connection requires a five conductor industrial cable with a female M12 connector on the TD10 end and a male M12 connector on the controller end. The connection is straight through, pin to pin.

Power draw is approximately 40 mA at 24 volts dc.

### **Pneumatic Connection**

The opening on the bottom of the TD10 is threaded for fit to a 1/8" NPT pipe. This connection is directly compatible with older TD-5 plumbing.



**BOTTOM VIEW**

### **LED Indicator**

When first powered up, the TD10 multicolor indicator flashes red. After communication has been established with the controller, the multicolor indicator displays solid green. The indicator must show solid green for proper pressure measurement.