

# Pressure Transducer, 200 PSIG, 1-5 VDC

Q-Tron Part No. 7275.0312

Product Information Sheet

Pressure Transducer, 200 PSIG, 1-5 VDC

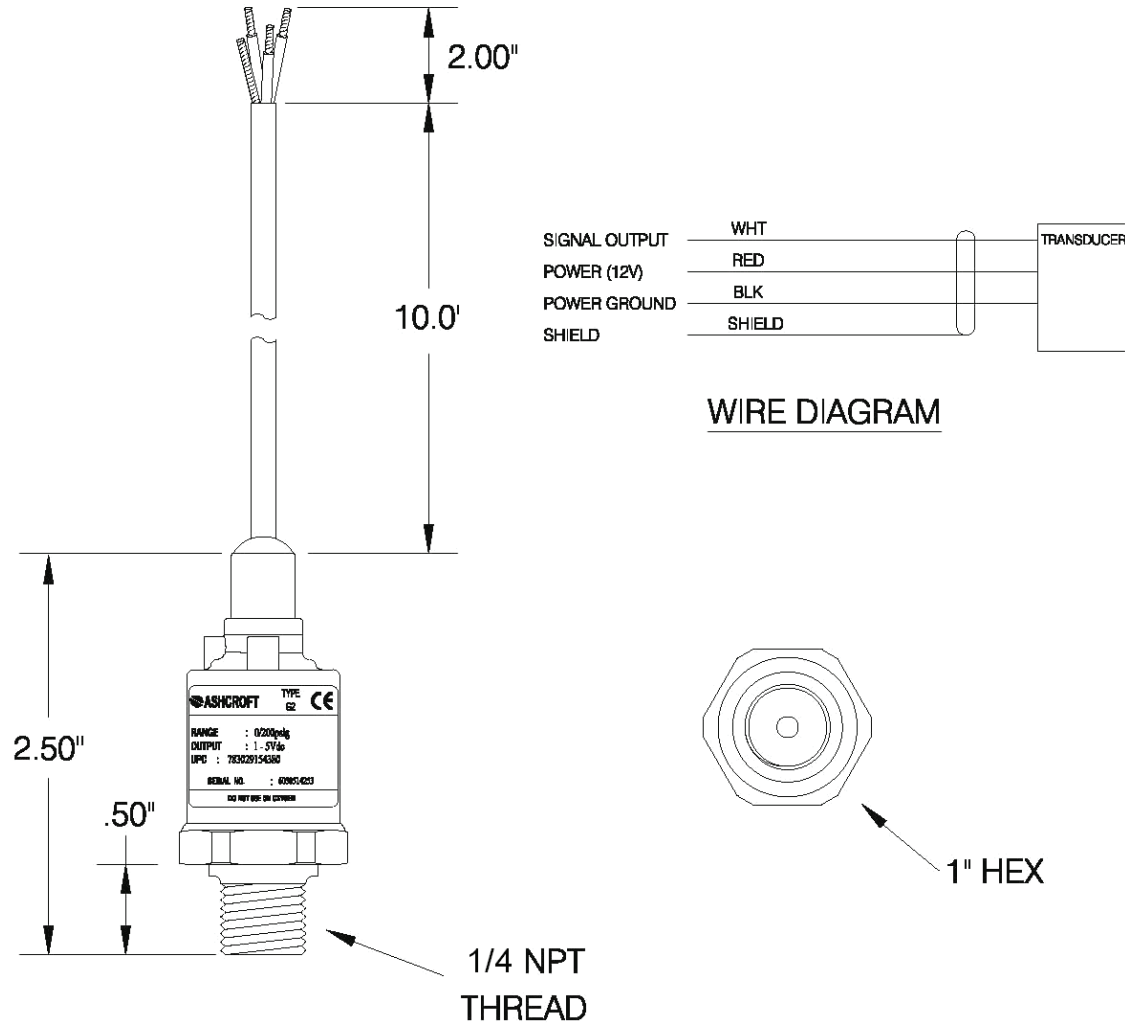


Figure 1. Pressure Transducer, 200 PSIG, 1-5 VDC



## ***Pressure Transducer, 200 PSIG, 1–5 VDC,***

Q-Tron Part No.:	7275.0312
Air Pressure Range:	0 – 200 PSIG
Output Signal:	1 – 5 VDC
Power Requirement:	12 VDC (Nominal) – Supplied by the controlling equipment.
Electrical Connections:	Red Wire – Power (12 VDC) Black Wire – Power Ground White Wire – Signal Output Shield Wire – To Prevent EMI Interference

### ***Operations***

This transducer monitors 0 – 200 PSIG air pressures on the locomotive. It converts the applied pressure into a voltage signal, which is then transmitted to the controlling equipment. This transducer can be used in any air line where monitoring of pressure is required.

### ***Installation Instructions***

**Mounting:** Install the Pressure Transducer into the appropriate air line. This is typically done by installing a T-fitting with the appropriate size pipe thread into the air line. Finger-tighten the external pipe thread into the internal threading. Using a wrench, tighten an additional two revolutions. Pipe dope or an anti-seize compound is recommended to both reduce the possibility of air leaks, and to prevent the sensor threads from seizing in the bore.

**Electrical Connections:** The transducer cable is pre-attached and sealed onto the transducer assembly for increased reliability. Therefore, the transducer should be installed prior to making electrical connections. After mounting the transducer, route the cable from the transducer to the controlling equipment or desired terminal board location. Secure the cable to protect against vibration damage. The Red wire is used as the supply. The Black wire is used as the return. The White wire is used as the sensing connection. It is recommended that the shield wire be connected to the chassis ground of the controlling equipment.

**Note:** To prevent accidental ground paths, the Shield Wire is not connected to transducer body.