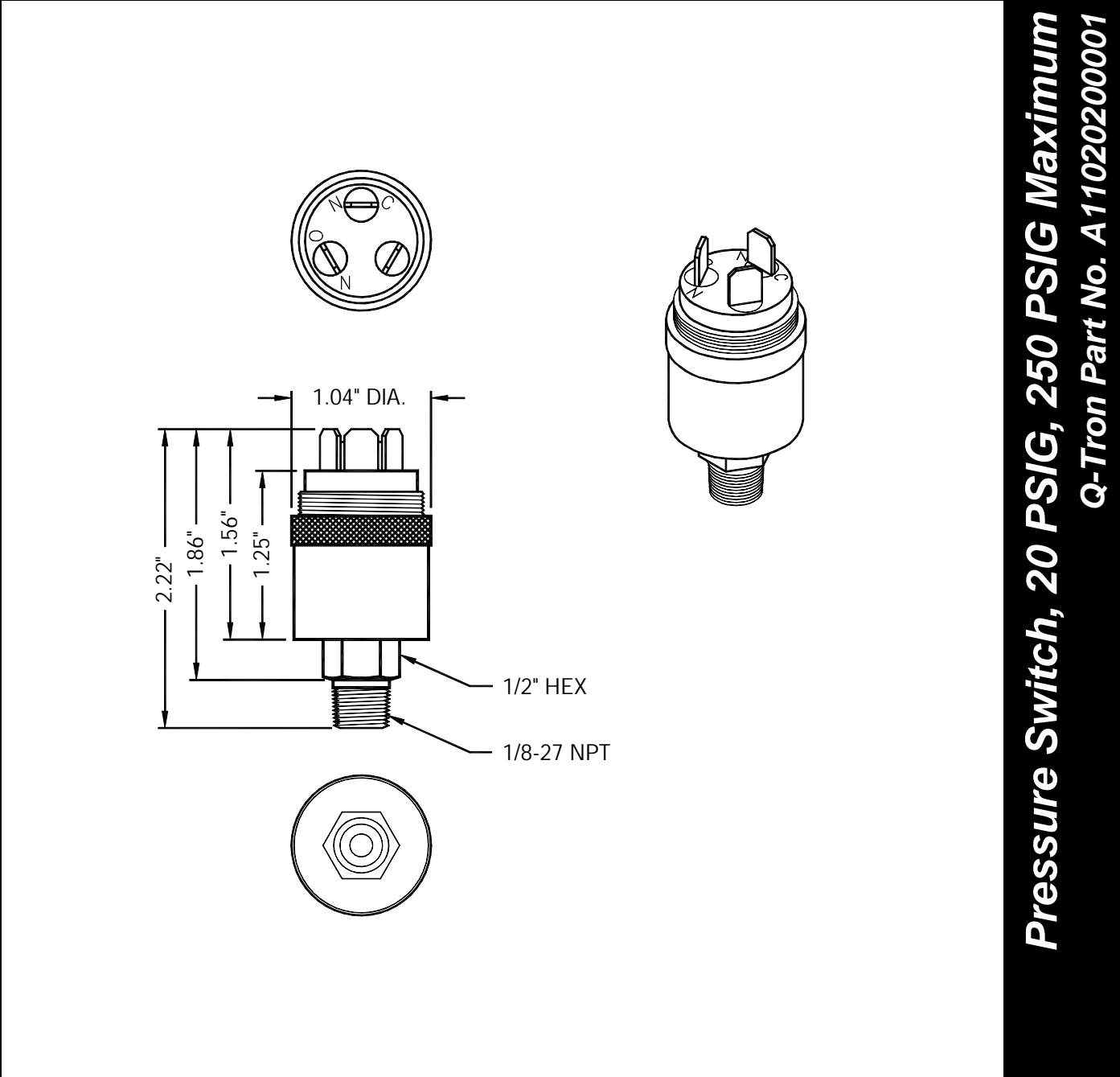


# Pressure Switch, 20 PSIG, 250 PSIG Maximum

Q-Tron Part No. A11020200001

Product Information Sheet



**Pressure Switch, 20 PSIG, 250 PSIG Maximum**  
**Q-Tron Part No. A11020200001**

Figure 1. Pressure Switch, 20 PSIG, 250 PSIG Maximum application



## **Pressure Switch, 20 PSIG, 250 PSIG Maximum Specifications**

Q-Tron Part No.:	A11020200001
Operating Pressure:	250 PSI
Pressure Set-Point:	20 PSI
Proof-Pressure:	315 PSI
Burst Pressure:	2100 PSI
Temperature Range:	-65°F to 255°F (-54°C to 124°C)
Pipe Fitting:	1/8-27 NPT male thread
Circuitry:	Single Pole, Double Throw (SPDT)
Connections:	Normally Open (NO) Normally Closed (NC) Common

### **Operations**

Designed to operate with various locomotive pressure requirements, this pressure switch switches the feed voltage OFF/ON at the designated 20-PSI pressure point, thereby indicating the status of the appropriate digital signal.

### **Mounting Instructions**

Using a wrench on the hex base, install the pressure switch in a Q-Tron pressure manifold or the designated air line, depending on the application.

If installing this pressure switch as a switch replacement, refer to the change-out and installation instructions below (Pressure Switch Change-Out).

### **Pressure Switch Change-Out**

Pressure Switch 20 PSIG, 250 PSIG Maximum (Q-Tron Part No. A11020200001, see Figure 1) is now the standard 20 PSIG pressure switch for use with all Q-Tron Q-93275 Series Air Switch Manifolds.

Customers ordering replacement 20 PSIG pressure switches will now receive this switch, in place of the previous 20 PSIG switch (Q-Tron Part No. A110102000001). The previous 20 PSIG switch is no longer available from Wabtec Railway Electronics Canada. Using the new replacement switch does not affect the operation of the Air Switch Manifold.

**Use the following change-out and installation procedures to install Pressure Switch 20 PSIG, 250 PSIG Maximum (Q-Tron Part No. A11020200001):**

Note: Figure 2 Illustrates the change-out and installation procedures described below. Refer to this illustration as required for additional information and/or clarification.

1. Identify the previous 20 PSIG manifold pressure switch (Q-Tron Part No. A110102000001) that must be replaced.
2. Remove the Air Switch harness assembly from the existing pressure switch.
3. Remove the previous 20 PSIG pressure switch from the Q-Tron Air Switch Manifold. You are now ready to install the new, replacement 20 PSIG pressure switch (Q-Tron Part No. A11020200001).
4. Thread in the new 20 PSIG pressure switch (Q-Tron Part No. A11020200001). Wabtec Railway Electronics Canada recommends using Teflon tape or another thread sealer when installing the switch.
5. Cut the connecting Red and Green wires from the harness plug. Ensure each cut is as close to the Air Switch plug as possible.
6. Attach (crimp) a 1/4" fast-on connector to each wire.
7. Connect the new pressure switch as shown. Connect the Green wire connector to the Normally Open (NO) spade. Connect the Red wire connector to the Common (unmarked) spade.

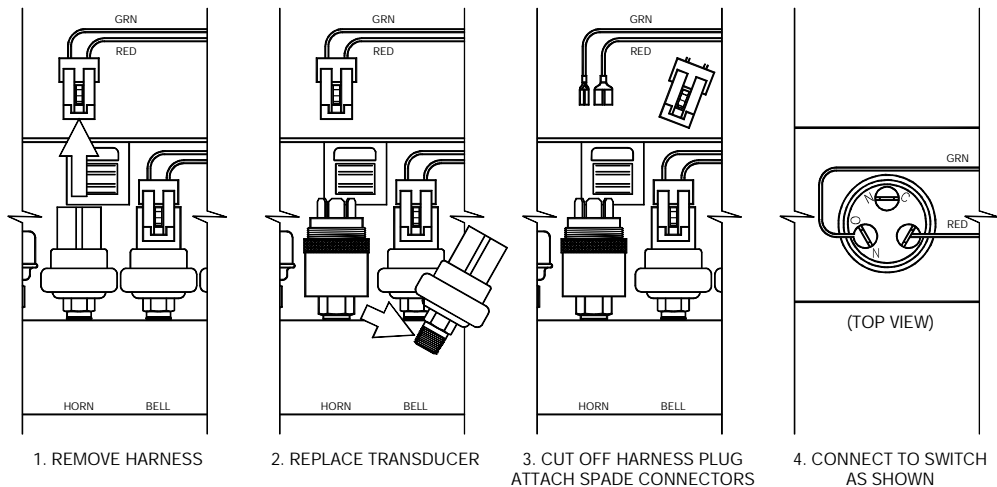


Figure 2. Pressure Switch change-out and installation, example manifold view switch replacement