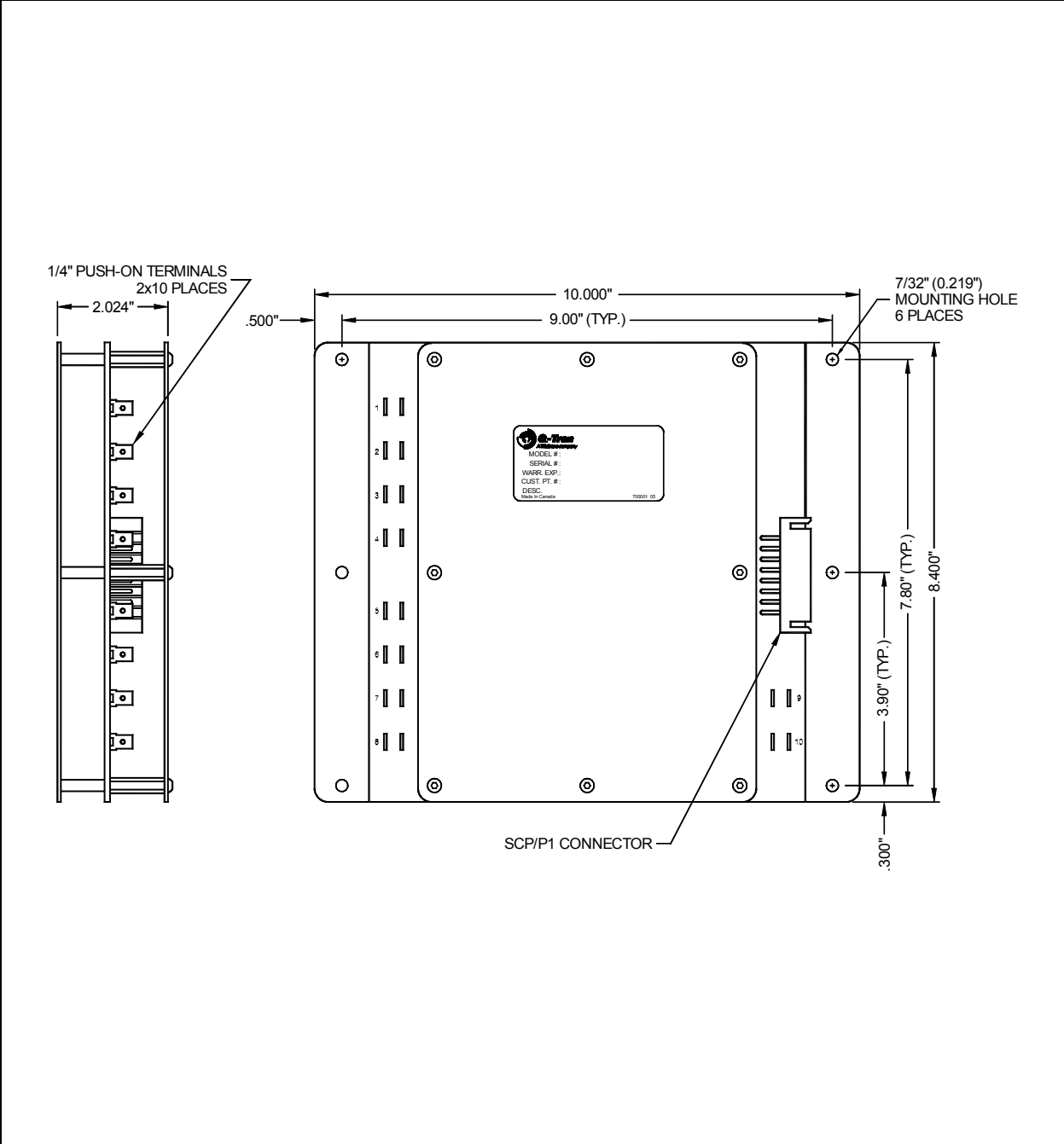


Signal Conditioner Panel

Q-Tron Part No. 7216.0703

Product Information Sheet



Signal Conditioner Panel
Q-Tron Part No. 7216.0703

Figure 1. Signal Conditioner Panel application



Signal Conditioner Panel Specifications

Q-Tron Part No.: 7216.0703

Connections: Terminal connections, via fast-on tabs. See Figure 2 for more information.

Terminal Connection Table	
Terminal	Connection Description
1	- TM Arm Volts/ MG Volts
2	+ TM Arm Volts/MG Volts
3	+ Blower 1 Volts
4	- Blower 1 Volts
5	+ Blower 2 Volts
6	- Blower 2 Volts
7	AC D14 Sense
8	AC D14 Sense
9	AC D14 Freq./Voltage Sig.
10	AC D14 Freq./Voltage Ret.

Figure 2. Terminal Connection Table

Operations

The Signal Conditioner Panel (SCP) provides signal isolation, scaling, and filtering to various input signals. Output signals are sent to devices such as the QES 1000, QES-III, and QTRAC 1000. The SCP measures the TM Armature, Grid Blower, and D14 AC voltage. Typical input signals are the Traction Motor or Main Generator Volts for Channel 1, Grid Blower Volts for Channels 2 and 3, and D14 Volts for Channel 4.

Mounting Instructions

Install the Signal Conditioner Panel in a suitable location in the main electrical cabinet, preferably on the Relay Panel.