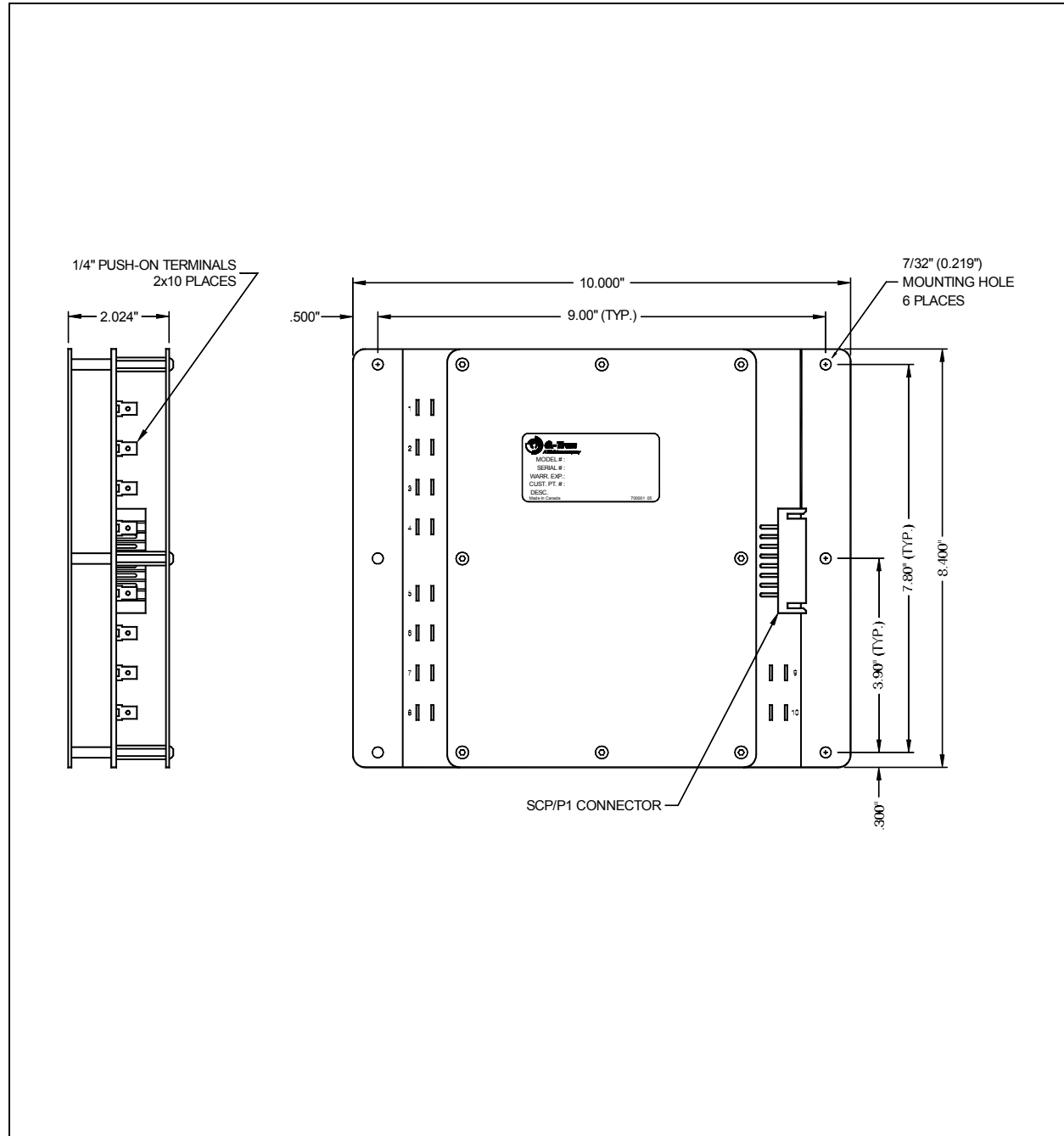


# Signal Conditioner Panel

Q-Tron Part No. 7216.0701

Product Information Sheet



**Signal Conditioner Panel**  
**Q-Tron Part No. 7216.0701**

Figure 1. Signal Conditioner Panel application



## Signal Conditioner Panel Specifications

Q-Tron Part No.: 7216.0701

Terminal Connection Table	
Terminal	Connection Description
1	-TM Arm Volts/MG Volts
2	+TM Arm Volts/MG Volts
3	+DB Blower 1 Volts
4	-DB Blower 1 Volts
5	+DB Blower 2 Volts
6	-DB 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 QES 1000, QES-III, and QTRAC 1000 systems. The SCP measures TM Armature, DB Grid Blower, and D14 AC voltage. Typical input signals are 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.