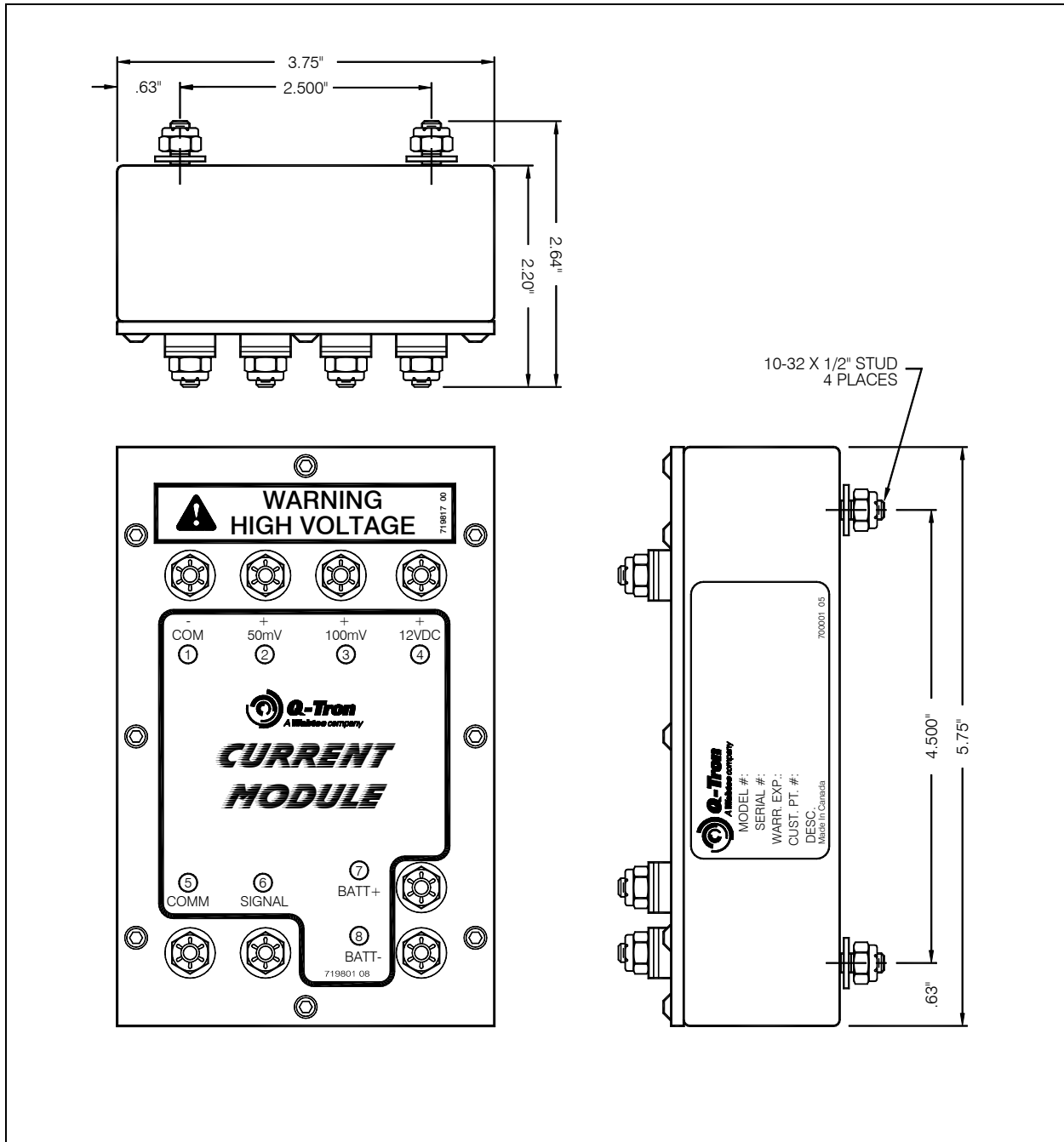


# Traction Motor Current Module

Q-Tron Part No. Q-88198/1

Product Information Sheet



**Traction Motor Current Module**  
**Q-Tron Part No. Q-88198/1**

Figure 1. Traction Motor Current Module application



## **Traction Motor Current Module Specifications**

Part No.: Q-88198/1  
Weight: 1 lb (.5 kg)  
Connection: Use the appropriate shunt indicated below in Figure 2.

| Signal Description       |                 | Connection |         |
|--------------------------|-----------------|------------|---------|
| Shunt Input              | Common          | 1          | -COM    |
|                          | 1500 Amp–50 mV  | 2          | +50mV   |
|                          | 1500 Amp–100 mV | 3          | +100mV  |
|                          | 1800 Amp–8 VDC  | 4          | +12 VDC |
| Output to Event Recorder | Analog Return   | 5          | COMM    |
|                          | Analog Input    | 6          | SIGNAL  |
| Power                    | +74 VDC         | 7          | BATT+   |
|                          | 74V Return      | 8          | BATT-   |

Figure 2. Signal Description/Connection Table

## **Operations**

The Traction Motor (TM) Current Module connects to the Traction Motor shunt, or optionally, a Main Generator shunt. Three types of shunts can be accommodated: 50 mV, 100 mV, or 12 VDC. The TM Current Module receives power from the locomotive 74V battery and outputs a 1–5 VDC signal for the event recorder.

This module has a three-part isolation where the input is isolated from the battery, which is isolated from the output signal.

## **Mounting Instructions**

Connect the Traction Motor Current Module to the appropriate shunt. Refer to Figure 2 for connection information.