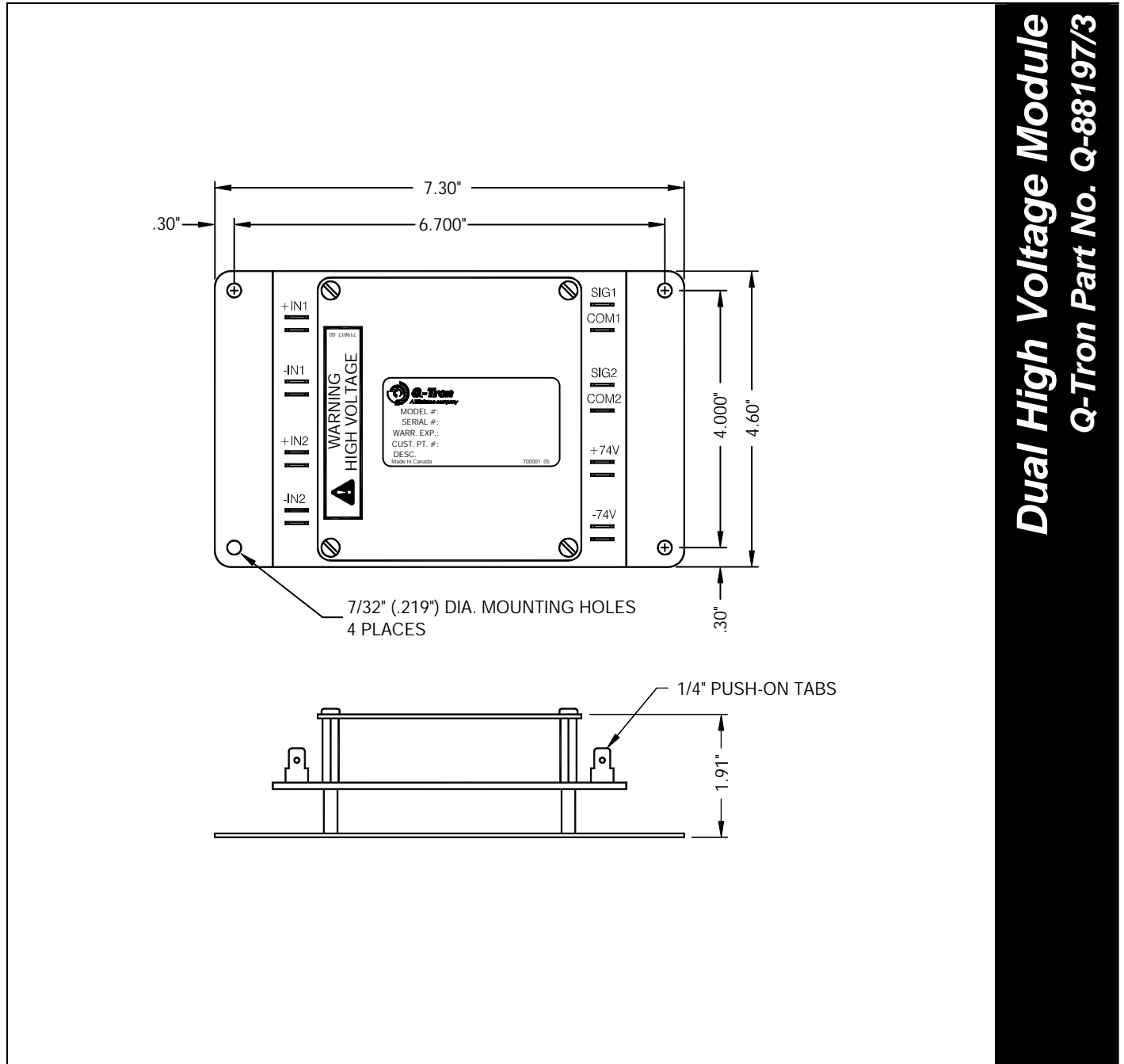


Dual High Voltage Module

Q-Tron Part No. Q-88197/3

Product Information Sheet



Dual High Voltage Module
Q-Tron Part No. Q-88197/3

Figure 1. Dual High Voltage Module application



Dual High Voltage Module Specifications

Q-Tron Part No.:	Q-88197/3
Weight:	Approximately 1 lb (.5 kg)
Connection:	Use the appropriate connection as indicated below in Figure 2.

Signal Description:	Connection:
High Voltage Input (0–1400 VDC)	+IN1, -IN1
High Voltage Input (0–1400 VDC)	+IN2, -IN2
Locomotive supply	+74V, -74V
Isolated and scaled 1–5V output for use by the controlling equipment.	SIG1, COM1
Isolated and scaled 1–5V output for use by the controlling equipment.	SIG2, COM2

Figure 2. Signal Description/Connection Table

Operations

The Dual High Voltage Module takes a 0–1400 VDC signal directly from the main generator and converts it to a 1–5 VDC signal. A second channel is available for monitoring other high voltage signals, such as grid blowers. All output signals and the battery voltage are isolated from the high voltage inputs. The locomotive supply voltage is +74 VDC (batteries).

Mounting Instructions

Mount the Dual High Voltage Module inside the high voltage electrical cabinet. Connect it to the Main Generator 50mV shunt.

The Dual High Voltage Module may also be ordered pre-assembled with mounting hardware for the QEG 1000 Main Control Unit mounting bracket (Q-Tron Part No. 7282.0901), along with the Main Generator Current Module (Q-Tron Part No. Q-88198/7). See the *Main Generator Current Module Product Information Sheet* for more information.