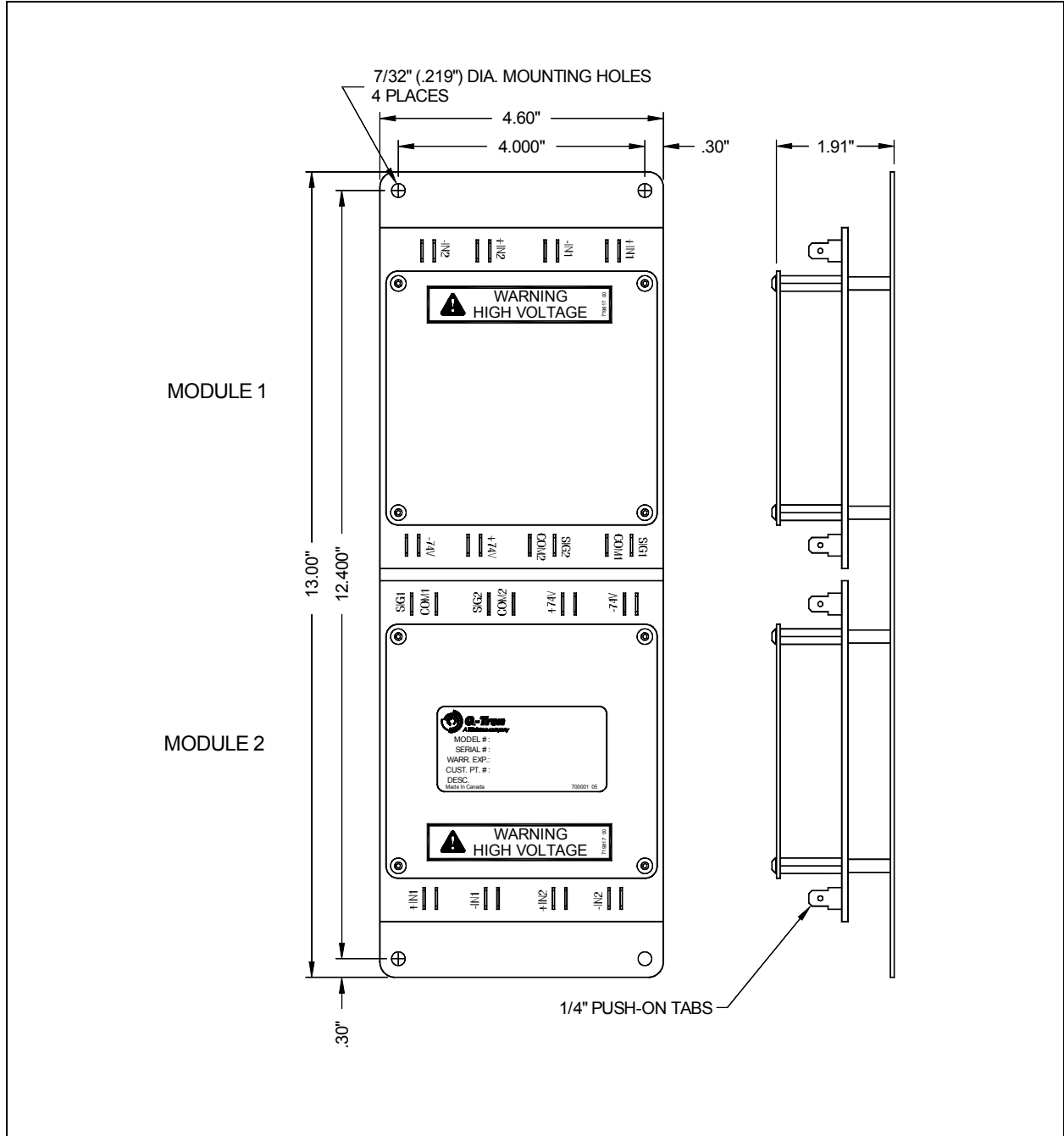


Dual High Voltage Module

Q-Tron Part No. Q-88197/4

Product Information Sheet



Dual High Voltage Module
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Figure 1. Dual High Voltage Module application



Dual High Voltage Module Specifications

Q-Tron Part No.:	Q-88197/4
Weight:	Approximately 1 lb (.5 kg)
Connection:	Use the appropriate connection as indicated below in Figure 2.

Signal Description (Module 1 & Module 2):	Connection (Module 1 & Module 2):
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 0–1400 VDC signals directly from high voltage sources and converts them to 1–5 VDC signals. Four channels are available to monitor high voltage signals, such as main generator, traction motor and grid blower voltages. 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 as required, keeping high voltage lines away from other signal wires.