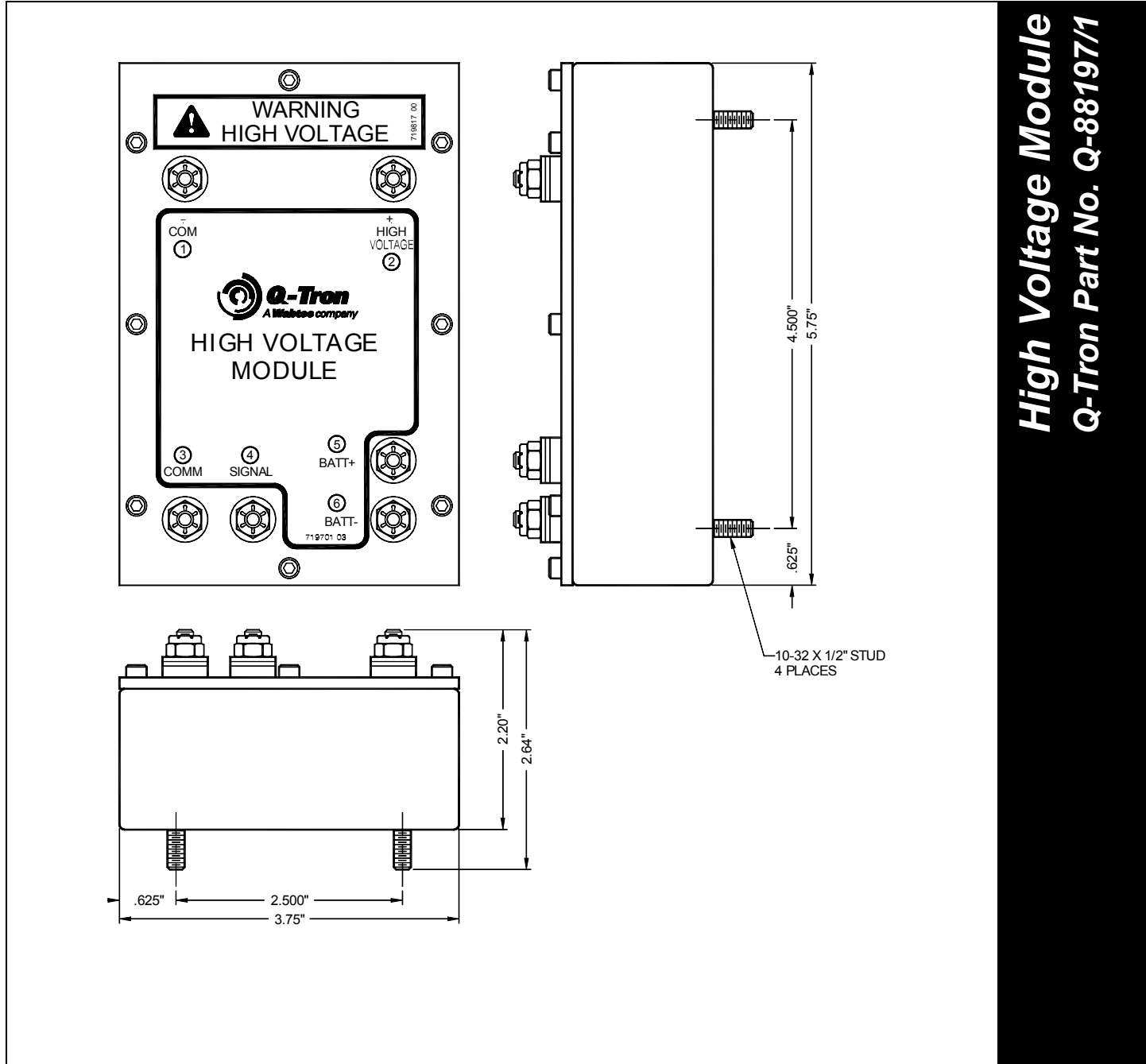


High Voltage Module

Q-Tron Part No. Q-88197/1

Product Information Sheet



High Voltage Module
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Figure 1. High Voltage Module application



High Voltage Module Specifications

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

Signal Description		Connection	
Input	Common	1	-COM
	0–1400 VDC	2	+HIGH VOLTAGE
Output to the Event Recorder	Common	3	COMM
	1–5 VDC Signal	4	SIGNAL
Power	+74 VDC	5	BATT+
	74V Return	6	BATT-

Figure 2. Signal Description/Connection Table

Operations

The High Voltage Module takes the 0–1400 VDC signal directly from the main generator and converts it to a 1–5 VDC signal. All output signals and the battery voltage are isolated from the high voltage input. The battery supply voltage is +74 VDC.

Electrically, the High Voltage Module operates using a 350 V/V input to output scale. This scale determines that 350 volts input to the module produces a 2 volt output (1V plus 1V offset).

Input/Output Measurement		
Input Source Location	Input	Output
+HIGH VOLTAGE	0 V	1 V
+HIGH VOLTAGE	1400 V	5 V

Figure 3. Input/Output Measurement Table

Mounting Instructions

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