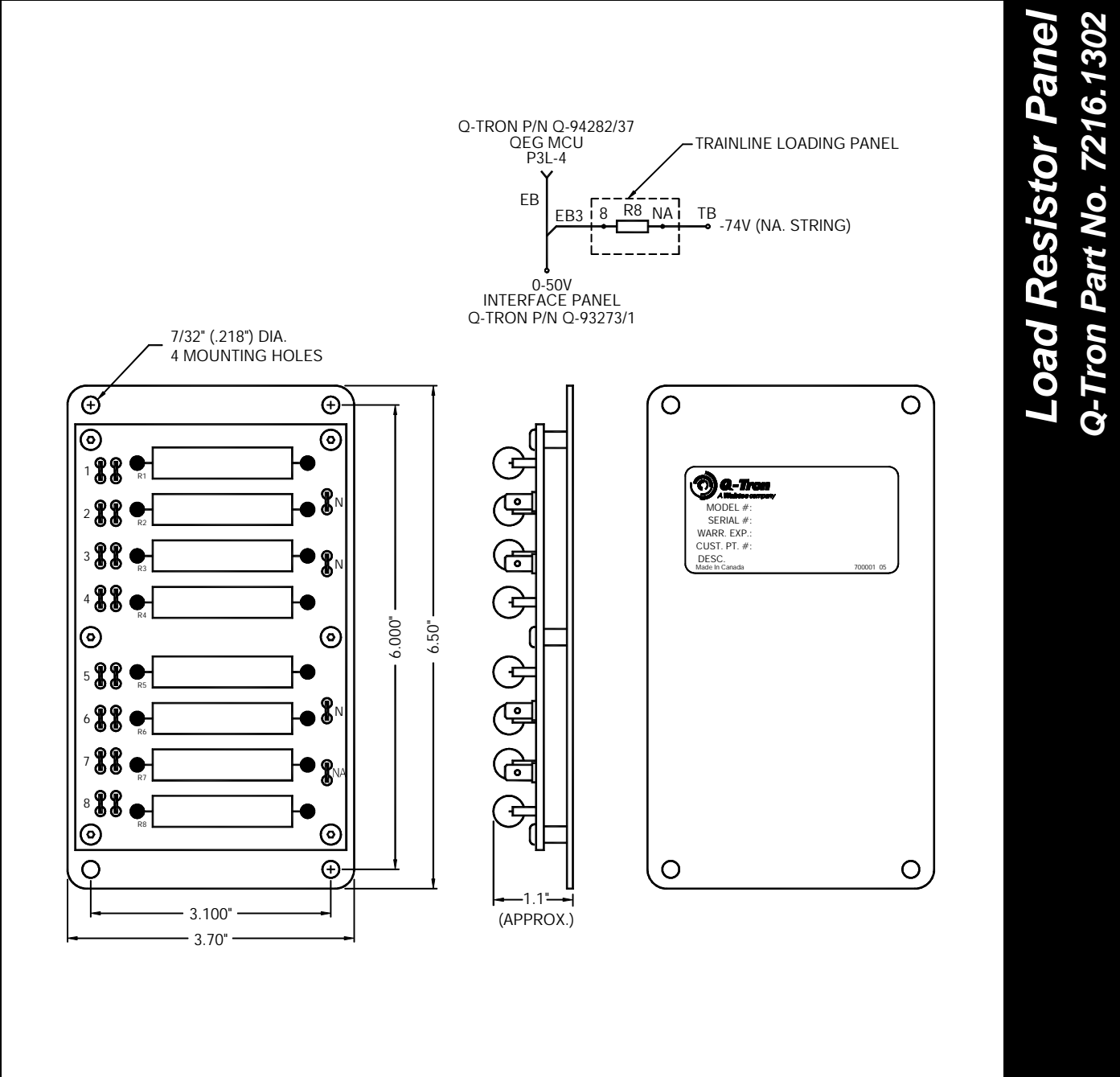


Load Resistor Panel

Q-Tron Part No. 7216.1302

Product Information Sheet



Load Resistor Panel
Q-Tron Part No. 7216.1302

Figure 1. Load Resistor Panel application



Load Resistor Panel Specifications

Q-Tron Part No.:	7216.1302
Mounting Hardware:	Four 10-32 x 1/2" binding head screws (Q-Tron Part No. 6514914) are supplied with the panel.
Resistors:	Eight 1K5, 10W, 1% resistors (Q-Tron Part No. 19G315).

Operations

The Load Resistor Panel (LRP, Trainline Loading Panel) provides a known load of 1500-ohms on various MU lines. This panel includes eight resistors; the first six resistors connect to the MU lines and the remaining two resistors are used as a load in the locomotive control circuits.

On QEG 1000-equipped locomotives, the load stabilizes the excitation control signal from the QEG 1000 to the Battery Field Interface Panel.

On QES 1000- and QES-III-equipped locomotives, a minimal load is placed on the trainlines and as a result they "float" in an unknown state (without the Load Resistor). The LRP adds a small load to selected MU lines, reducing the occurrence of erroneous signals.

Mounting Instructions

Install the Load Resistor Panel in a suitable location in the main electrical cabinet, preferably on the Relay Panel.

- Note:
1. The terminal connections are via 1/4" fast-on tabs.
 2. The first three "N" terminals are electrically connected on the board.