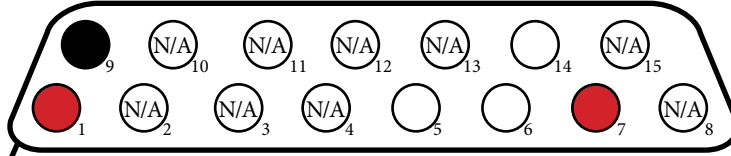
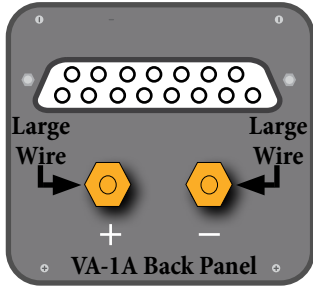


VA-1A

Instrument Wiring Diagram

Internal Shunt Unit



15-Pin D-Sub Connector

Wire Side View

Pin 1 (Red - 20ga): Power Lead 3'

Connects to 12- or 24-Volt Bus via 1-amp fuse.
Do NOT connect the instrument to constant power.

PWR

Pin 9 (Black - 20ga): To Ground 3'

Connects to ground.

GND

Pin 5 (White - 20ga): To External Warning Light 3'

Pulls low when the discharge or high volts light is on.

EXT WARN

Pin 6 (White - 20ga): 12V Backlight 3'

Backlight control line. Connects to 12-volt bus. 12 volts turn on the digital display backlight. Leave open for a 24-volt system.

12V BK LT

Pin 14 (White - 20ga): 24V Backlight 3'

Backlight control line. Connects to 24-volt bus. 24 volts turn on the digital display backlight. Connect to ground for 12-volt system.

24V BK LT

Pin 7 (Red - 20ga): Warning Light Intensity Control 3'

Connects to panel light rheostat. 12- or 24- volts dim the display mode LEDs. Insert the VI-1K in series with this line for a 24-volt system.

DIMM