

ProTran1

Instruction Manual



Independent 750VDC source for the testing/verifying of ProTran1 and other safety equipment.

The ProTran1 ProPower is a portable 750VDC @ 20 MA power supply and was designed to allow transit workers the ability to safely test safety equipment independently from the main power source of the Catenary wire and Third Rail. NEC requires that testing of equipment for live DC be done by an independent source.

WARNING: Prior to plugging in the ProPower, make sure fuse switch (located on ProPower is in the off position and the voltage dial is at zero). This device is designed to use in conjunction with very high voltage applications. Improper use is dangerous and could result in injury and/or death. Always wear proper gloves and eye protection prior to use.

Operation

The following steps must be followed to ensure the proper use of the device:

- 1 – Place Black clip on ground connection
- 2 – Place Red clip on positive connection.

ProTran1

3 –Plug ProPower™ Supply to a 120-volt source or a vehicle 12-volt Power port (using a ProTran1 12V to 120V adapter)

4 – Switch on the fuse.

5 – Proceed to dial the knob slowly in the clockwise direction to the desired voltage level required to verify equipment is properly operating.

Safety Notes

1. Always inspect the unit prior to use. Check the integrity of the wire insulation for nicks or cuts, inspect the unit for any loose parts etc. If any problems are discovered have the unit repaired immediately.

2. Always ensure that the unit is in proper working condition before attempting to use it in the field. Do this by testing it with a known LIVE power source at the rated maximum voltage of the unit. We recommend the ProPower™ transformer to accomplish this essential test.

3. Always place the magnetized ground contact on the running rail before attaching the hook of the positive contact to the catenary line.

4. Always remove the hook of the positive contact from the catenary line before removing the magnetized ground contact from the running rail.

5. To remove the magnetized positive contact, gently slide it off the third rail. Do not try to yank the magnet loose.

6. Always wear safety gloves and glasses/goggles when using this unit in the field.

7. Even if the lights and horns are not working you must activate the meter (depress the button on the base of the unit) and observe if the meter (which is independent of the fuse) indicates the presence of power. If the meter indicates power in absence of lights & horn, the unit has blown the fuse and must be returned to ProTran1 for repair.

ProTran1

DOCUMENT DATE 13-Nov-2008

ProTran1

152 Waterford Road
Blue Anchor, NJ 08037
(609) 704-1737
Fax (609) 704-0565
www.protran1.com