

ProTran1

Instruction Manual

ProCaT[®]

Catenary Voltage Awareness Device

MODEL 101601-2



The ProTran1 ProCaT was designed to allow transit workers the ability to safely verify the presence of voltage on contact wire or messenger wire. The unit indicates voltage from 0 to 750 VDC Nominal 1000 VDC Max. The unit also has several redundancies built in such as a digital meter, alarm and a fuse to protect the unit in the case of voltage surges.

Warning: 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 grounding magnet on running rail or ground rail.
- 2 – Extend fiberglass rod to proper length to reach the overhead wire.
- 3 – Place top hook onto overhead contact wire or messenger wire
- 4 – When removing ProCaT from wire remove ProCaT from wire before removing grounding magnet from running rail or ground rail.

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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.

LIMITED WARRANTY STATEMENT

ProTran1 warrants the **Patented** ProCaT, if properly used and installed, will be free from defects in material and workmanship for a period of 1 year after date of purchase. Said warranty to include the repair or replacement of defective equipment. This warranty does not cover damage due to external causes, including accident, problems with electrical power, and usage not in accordance with product instructions, misuse, neglect, alteration, repair, improper installation, or improper testing. This limited warranty, and any implied warranties that may exist under state law, apply only to the original purchaser of the equipment, and last only for as long as such purchaser continues to own the equipment. This warranty replaces all other warranties, express or implied including, but not limited to, the implied warranties or merchantability and fitness for a particular purpose. ProTran1 makes no express warranties beyond those stated here. ProTran1 disclaims without limitation, implied warranties of merchantability and fitness for a particular purpose. Some jurisdictions do not allow the exclusion of implied warranties so this limitation may not apply to you. To obtain warranty service, contact ProTran1 for a return material authorization. When returning equipment to ProTran1, the customer assumes the risk of damage or loss during shipping and is responsible for the shipping costs incurred.

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Legislation requires that all protective equipment be tested at least once a year for compliance with ProTran specifications and to industry standards. Ensuring your safety equipment meets or exceeds the highest standards reduces the costs of lost-time accidents. ProTran1's independent testing facilities are fully industry compliant.

Refer to the "Service and Support" for Service and Maintenance contracts ProTran1 offers to the customers. We strongly recommend this service to all our customers.

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