

PT-PRX

PROOF TESTER® FOR PRX VOLTAGE DETECTORS

Operating & Instruction Manual



HDE® **HD ELECTRIC COMPANY**
A Textron Company

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PT-PRX

PROOF TESTER® FOR PRX VOLTAGE DETECTORS

INTRODUCTION

The PT-PRX Proof Tester Voltage Indicator Tester is for use on the PRX Proximity Voltage Detector. This tester generates high voltage AC for testing the PRX. To use, turn on the PRX and set it for the lowest range, hold the Tester in one hand and the PRX in the other. Apply the PRX SENSING ZONE end to the metal end plate on the Tester. Press and hold the TEST button on the Tester. A properly operating PRX will indicate voltage with continuous flashing lights and beeping sound. For best results, hold the PT-PRX with a tight grip and wrap your fingers around it. If the PRX does not indicate voltage, do not use it and return it to HD Electric Company for service.

CAUTION

This Tester generates high voltage AC for testing PRX AC voltage detectors. There is no danger of electric shock when this tester is used as directed. Discontinue use and return to HDE for service if the housing is cracked or broken, or if the battery cover is lost.



CAUTION: High Voltage

WARNING:

Do not use this tester except as directed. Do not use to test equipment other than specified PRX voltage detectors. Do not apply to energized circuits or equipment. Do not operate this Tester without the battery cover and do not open the housing. Refer all servicing to the factory. Failure to follow these instructions may lead to electric shock, severe injury or death.

OPERATIONAL IMPAIRMENT

If the PT-PRX is used in a manner not described in this instruction manual, the protection and effective operation of this equipment may be impaired.

CARE AND MAINTENANCE

STORAGE - It is recommended for protection of the PT-PRX that it is stored in the PRX carrying case.

CLEANING INSTRUCTIONS - To clean the PT-PRX wipe with a damp cloth with water. Do not use harsh chemicals or solvents.

DAMAGE - If you suspect any mechanical or electrical damage, do not use the PT-PRX and arrange for repair by returning to the factory.

CALIBRATION & TESTING - Regular calibration is not required. There is no calibration adjustment.

REPAIRS - All repairs are performed at HD Electric Company. If any damage is found please contact HD Electric Company at 847-473-4980 to arrange for service.

TECHNICAL SPECIFICATIONS

DIMENSIONS

4.9 in. L x 2.6 in. W x 1.3 in. H
(12.5 cm x 6.6 cm x 3.3 cm)

WEIGHT: 0.44 lb (199 g)

BATTERY:

9V alkaline ANSI-1604A, IEC 6LR61 or
9V lithium ANSI-1604LC

OUTPUT VOLTAGE: 340VAC, 300Hz Nominal
capacitively coupled

ENVIRONMENTAL CONDITIONS

CONDITIONS: Indoor and outdoor use

ALTITUDE: Up to 6,566 ft. (2000M)

OPERATING TEMPERATURE: -20°F to +140°F
(-29°C to +60°C)

HUMIDITY: 95% to +60°C (non-condensing)

POLLUTION DEGREE: PD2

ENCLOSEURE MATERIAL: ABS UL 94-HB

PRINTED CIRCUIT BOARDS: FR-4 UL 94-V0

BATTERY REPLACEMENT INSTRUCTIONS

To replace the battery, open the compartment on the bottom of the housing. Remove and dispose of the old battery, replacing it with a fresh, new 9-volt lithium or alkaline battery.

MANUFACTURING LOCATION

HD Electric Company • Waukegan, IL. 60085, USA

**PRX TESTER for HD Electric Company
PRX Proximity Voltage Detectors**

This tester generates high voltage AC for testing PRX voltage detectors. To use, turn on the PRX and hold the tester in one hand and the PRX in the other. Place the PRX sensing zone near the metal end plate on the Tester. Press and hold the test button on the Tester. A properly operating PRX will indicate the presence of voltage with its flashing lights and beeper. If the PRX does not indicate, return to the factory for service. If the Tester LED does not light, replace the Tester battery with a 9V alkaline or lithium type.

CAUTION: This device generates high voltage AC for testing PRX AC voltage detectors. There is no danger of electric shock when this tester is used as directed. Discontinue use and return to HD Electric Company for service if the housing is cracked or broken or if the battery cover is lost.

WARNING: Do not use this tester except as directed. Do not use to test equipment other than specified PRX voltage detectors. Do not apply to energized circuits or equipment. Do not operate this Tester without the battery cover and do not open the housing. Refer all servicing to the factory. Failure to follow these instructions may lead to electric shock, severe injury or death.

HD Electric Company
www.HDElectricCompany.com

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LIMITED WARRANTY AND LIMITATION OF LIABILITY

This warranty applies to all products sold by HD Electric Company (the "Products"); provided, however, that the term Products does not include any third party products purchased through HD Electric Company, for which no warranties are made (the "Third Party Products"). Third Party Products may be subject to a separate manufacturer's warranty; [should you have any question regarding whether a separate warranty applies, please contact HD Electric Company].

NOTICE: READ THIS LIMITATION OF WARRANTY AND LIABILITY BEFORE BUYING OR USING THE PRODUCTS CONTAINED HEREIN.

It is impossible to eliminate all risks associated with the use of the Products. Risks of serious injury or death, including risks associated with electrocution, arcing and thermal burns, are inherent in work in and around energized electrical systems. Such risks arise from the wide variety of electrical systems and equipment to which Products may be applied, the manner of use or application, weather and environmental conditions or other unknown factors, all of which are beyond the control of HD Electric Company.

HD Electric Company does not agree to be an insurer of these risks, and shall have no liability for any claims arising from such risks.

WHEN YOU BUY OR USE THESE PRODUCTS, YOU AGREE TO ACCEPT THESE RISKS.

HD Electric Company warrants to the original purchaser that the Products (excluding any third party products purchased through HD Electric Company, for which no warranties are made) will be free from defects in material and workmanship, under normal use and regular service, and preventative maintenance for a period of one (1) year (ten (10) years for HDE Capacitor Controls) from the date of shipment (the "Warranty Period"). Should any failure to conform with this warranty be found during the Warranty Period, you must notify HD Electric Company of your claim within thirty (30) days of discovery, and within the Warranty Period. Your failure to give notice of claims of breach of warranty within the Warranty Period shall be deemed an absolute and unconditional waiver of claims for such defects. HD Electric Company will have no responsibility to honor claims received after the date the applicable Warranty Period expires.

Upon notice of your claim, HD Electric Company will provide a return authorization number, and further instructions on how to return the product for service. You must follow HD Electric Company's instruction. You are responsible for all Product removal, handling, re-installation, and shipping (both to and from HD Electric Company). Products returned for repair, as well as repaired or replacement Products shall be sent postage / freight prepaid. After receipt of a product which HD Electric Company determines is defective, HD Electric will, at its option, either (1) repair (or authorize the repair of) the Product or (2) replace the Product, subject to the following: The Products are made using parts sourced from a variety of manufacturers. Due to the rapidly changing technology environment, parts may become obsolete / unavailable over time (end of life). In the event that a Product cannot be repaired or replaced due to unavailability of parts, HD Electric Company will use commercially reasonable efforts to obtain substitute parts or conduct work around design, but cannot guarantee its ability to do so.

Items not found defective will be returned at your expense, or failing receipt of instruction from you on return of such items within five (5) business days of our notice to you that the product is not defective, HD Electric may dispose of the product at its discretion and with no liability to you. HD Electric Company's determination of defects is final. Products repaired or replaced during the Warranty Period shall be covered by the foregoing warranties for the remainder of the original Warranty Period or ninety (90) days from the date of delivery of the repaired or replaced Products, whichever is longer.

LIMITATIONS:

This warranty is void in the event of misuse, alteration, faulty installation, or misapplication of the product.

This warranty does not cover failure of product or components due to any ACT OF NATURE; lightning, floods, hurricanes, tornadoes or any other such catastrophic events.

HD Electric Company does not warrant any third party products or associated hardware or their performance or suitability for use and application. Such items are provided "as-is".

All repairs must be authorized by HD Electric Company. Unauthorized repairs will not be reimbursed under any circumstances.

HD Electric Company is not required to make replacement or loaner equipment available while Products are being repaired or replaced, or to compensate you for any in/out labor charges or expenses associated with removal, handling or re-installation of the Products.

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HD Electric Company must have prompt notice of any claim so that an immediate product inspection and investigation can be made. Buyer and all users shall promptly notify HD Electric Company of any claims, whether based on contract, negligence, strict liability, or other tort or otherwise be barred from any remedy.

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