MODEL PS1505 FAN PROVING SWITCH DESIGNED FOR TJERNLUND AUTO-DRAFT® INDUCERS

PURPOSE
The Tjernlund PS1505 Fan Prover has been designed to monitor the pressure within the fan housing only. A motor or wheel failure will decrease housing pressure and deactivate the pressure switch, thus preventing combustion.

TYPICAL INSTALLATION

SPECIFICATIONS
Voltage: 125VA pilot duty at 24 volts AC
300VA pilot duty at 115 to 277 volts AC
15 amps non-inductive to 277 volts AC
Electric Switch: SPST, normally open snap acting contacts
Electric Connectors: #6-32 screw terminals with cup washer
Control Set Point: Nonadjustable
Operating Pressure: On increasing vacuum pressure rise, .05 ± .02” W.C. with diaphragm in vertical position
Maximum Pressure: 1/2 psi
Operating Temperature Range: -40° to 190° F.
Mounting Position: Diaphragm vertical
Dimensions: 5” diam., 5 1/2” across mounting bracket, 3” high
Weight: 1 Lb. 2 oz.
Finish: Zinc plated steel

FEATURES
- Simple Installation
- Mounting Hardware Furnished
- Fixed Set Point

TYPICAL INSTALLATION

FLUE PIPE OR BREECHING
‘1/4” ALUMINUM TUBING
SENSING PORT
DRAFT INDUCER
FURNACE PLENUM, WALL OR JOIST MOUNTING. DIAPHRAGM MUST BE VERTICAL.

TYPICAL OIL WIRING

TYPICAL GAS WIRING

TJERNLUND PRODUCTS, INC.
1601 Ninth Street • White Bear Lake, MN 55110-6794
PHONE (651) 426-2993 • (800) 255-4208 • FAX (651) 426-9547
Visit our web site • www.tjernlund.com
© 1996 Tjernlund Products, Inc.  P/N 8500135  Rev. 1 12/96