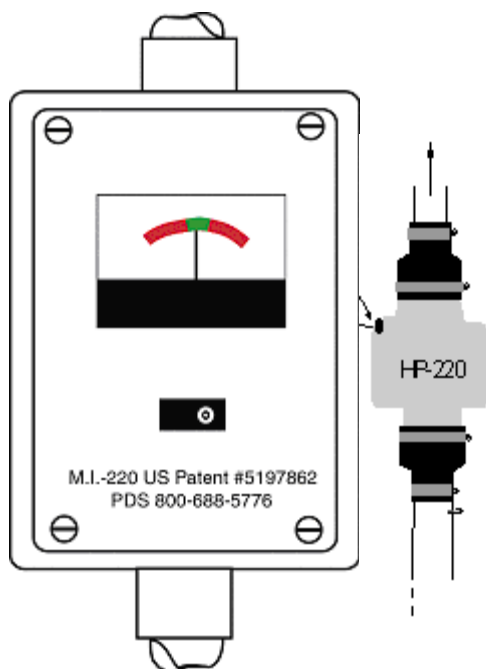




## INSTALLATION INSTRUCTIONS FOR THE METER INDICATOR-220 SYSTEM

**Description of System:** The system consists of one (1) Power Source/Indicator Box and one (1) matching HP-220 fan. This system is typically used in applications where a watertight NEMA 4 box is advantageous. It is also used in applications where it is desirable to have an indication as to whether the fan is still performing in the manner in which it was originally installed. The M.I.-220 system provides both of these features.



The M.I.-220 system is designed to be a part of a ventilation, depressurization, or exhaust system where non-explosive or non-flammable air mixtures will be encountered. The manufacturer cannot make any representations as to the entire system of which the M.I.-220 and fan are integral parts, since they are designed and installed by others. For proper installation of the HP 220 fan, refer to Fantech's installation and maintenance instructions. Note, since the fan motor is isolated within a plastic housing, grounding of the fan is not necessary.

### INSTRUCTIONS WHEN CONNECTING CONDUIT

**WARNING:** *This composite enclosure does not automatically provide grounding between conduit connections. Use of grounding bushing and jumper wires as part of the installation.*

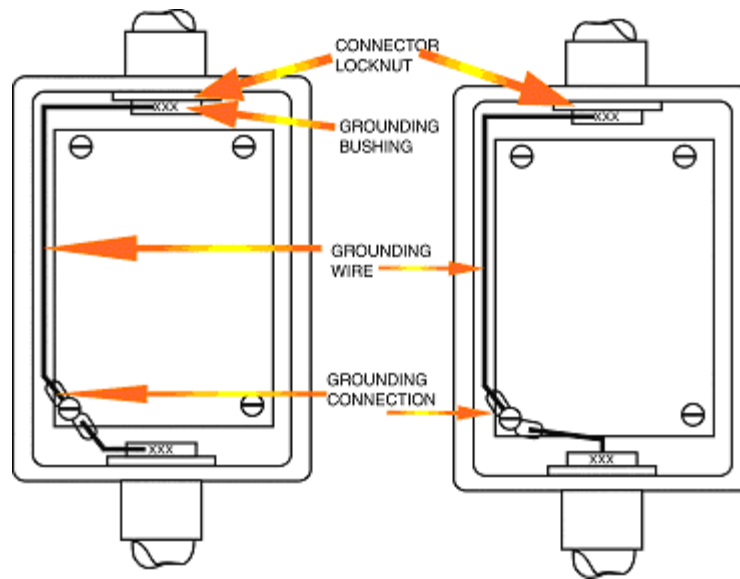
1. When connecting conduit to this enclosure, only use UL listed or recognized conduit hubs that have the same environmental type rating as the enclosure.
2. Conduit hubs must be connected to the conduit before being connected to the enclosure.
3. This enclosure must be mounted using the mounting holes located in the base external to the equipment cavity.

### GROUNDING OF EQUIPMENT AND CONDUIT

**WARNING:** *To avoid electric shock, grounding must be installed by the customer as part of the installation. Non-metallic enclosures do not provide grounding between conduit connections.*

- Ground in accordance with the requirements of the National Electrical Code.
- Conduit hubs for metallic conduit must have a grounding bushing attached to the hub on the inside of the enclosure. Grounding bushing has provisions for connection of a grounding wire.
- Non-metallic conduit and hubs require the use of a grounding wire in the conduit. Grounding bushings are not required.
- System grounding is provided by connection wires from all conduit entries to the sub panel or to other suitable point, which provides continuity. Any device having a metal portion or portions extending out of the enclosure must also be properly grounded.

**TYPICAL GROUNDING ILLUSTRATIONS FOR METALLIC (LEFT) AND NON-METALLIC (RIGHT) CONDUIT**



**M.I.-220 SYSTEM WARRANTY**

Congratulations. You are the owner of a M.I.-220 from KT Ventures a wholly owned subsidiary of Professional Discount Supply, a pioneer in the packaged fan industry. PDS is proud of this system and its durability. PDS warrants the power control box against defects in workmanship, which existed when the power control box was manufactured. Which would result in failure of the fan to operate for a period of one year from the date of purchase noted on the original invoice. The holder of this warranty should verify that the system has been installed correctly by reading the installation instructions.

THIS WARRANTY APPLIES ONLY IF THE FOLLOWING PRECAUTIONS ARE TAKEN:

- Packaged fan must be installed in strict compliance with the installation instructions, including vertical mounting of fan.
- If the duct system (to which the fan is attached) is exhausted outside, a screen of no larger than 1/4 inch must be installed on the exhaust to prevent entry of extraneous materials and small animals.
- The M.I.-220 Power control box must not be installed in a hazardous environment.
- For 5-year warranty on the Fantech HP-220- fan, see attached copy of the Fantech installation and maintenance instructions.
- **The MI -220 control box must retain its NEMA-4 integrity at all times;** in order to maintain its warranty. Any modifications made must conform to the NEMA-4 rating. This includes conduit connections. Conduit connections should be, entirely sealed, by means of a hermetic connector, seals, caulking, or other approved methods.

This warranty further does not apply to damage that may have occurred during the shipping of this system. Claims due to this type of damage should be made directly to the

shipper.

If the fan is mounted outside in climatic conditions where freezing condensation would result in ice entering the system ductwork, a means for condensation removal should be included in the system installation.

## **RETURN POLICY**

Should a defect occur within the warranty period of this system, the warranty holder must call PDS for a RMA # before returning the unit in its entirety to the address shown below at holders cost. PDS will repair or replace the system after a determination has been made that the above exceptions to warranty coverage do not apply. Once PDS has determined that the unit is under warranty, it shall repair or replace the equipment and ship the functioning unit to the warranty holder. PDS is not responsible for the cost of reinstallation of the repaired unit, or shipping charges. The returned unit may either be the original unit (repaired), or another unit with a similar manufacturing date. The original one-year warranty period will remain in force from the date of manufacture of the originally purchased system.

**LIMITATION OF LIABILITY** The return policy described above is the sole and exclusive remedy for any defect in the packaged fan. EXCEPT AS EXPRESSLY SET FORTH HEREIN, THE PACKAGED FAN IS SOLD ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PDS BE LIABLE FOR DAMAGES, INCLUDING ANY LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES, ARISING OUT OF THE USE OR INABILITY TO USE THE PACKAGED FAN, EVEN IF PDS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. PDS IS NOT RESPONSIBLE FOR THE EFFECTIVENESS OF ANY SYSTEM IN WHICH THE PACKAGED FAN IS A COMPONENT NEITHER WILL PDS BE RESPONSIBLE FOR ANY DAMAGES RESULTING FROM THE MISUSE OR THE IMPROPER INSTALLATION OF THIS SYSTEM. IN ANY EVENT, ANY DAMAGES FOR WHICH PDS MAY BE LIABLE SHALL NOT EXCEED THE COST OF THE PACKAGED FAN TO WHICH THIS WARRANTY APPLIES.

14 February 2003