

Installation and Maintenance Manual

IM 1315

Group: **WSHP**

Part Number: **910339001**

Date: **January 2021**

Dirty Filter Switch



Dirty Filter Switch

Included Parts:

- Filter Differential Pressure Switch
- (2) 60" Black Wires with connectors
- (6) Cable Ties

Installation

- Two field provided duct pressure taps will be required to install this sensor. Locate one tap in the ductwork upstream of the filter rack. Holes are provided in the top and bottom of the filter rack to locate the second tap.
- Mount sensor on the entering air duct near the location selected for the duct pressure. See [Figure 2](#).
- Connect the field provided tube between the duct-mounted tap and the high pressure (H) port on the sensor, and between the tap on the filter rack to the low pressure (L) port on the sensor.
- Run the wires provided from the sensor location to the unit.
- Connect the first wire from the Normally Open terminal on the sensor to pin 8 on the unit terminal strip. Connect the second wire from the Common terminal on the sensor to pin 21 on the unit terminal strip. Refer to Figure 3 and Figure 4 on [page 3](#)

Figure 2: Dirty Filter Switch and Sensing Tubes Location

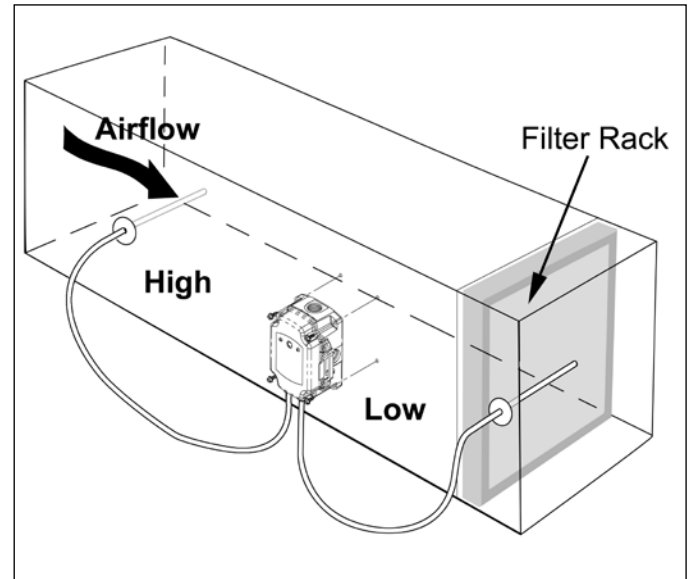


Figure 1: Mounting Holes Locations

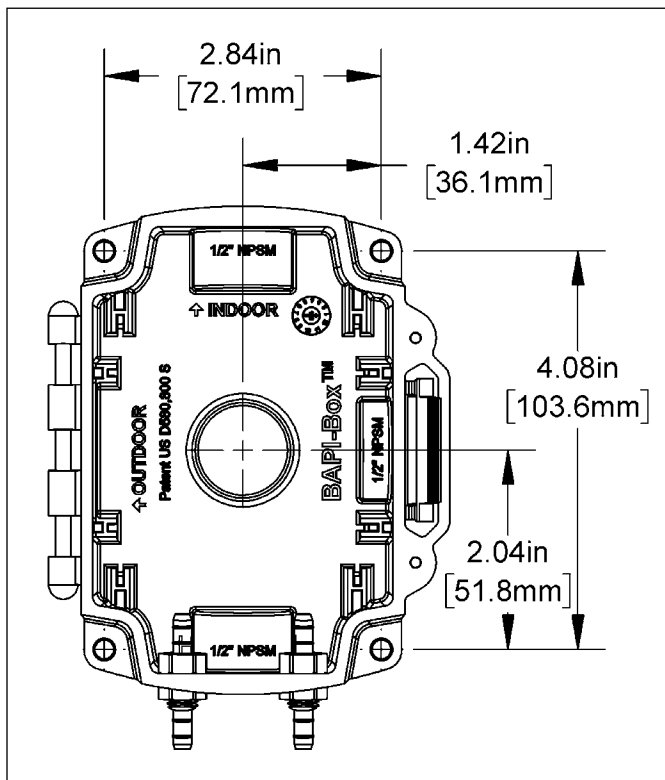


Figure 3: Unit Terminal Connections

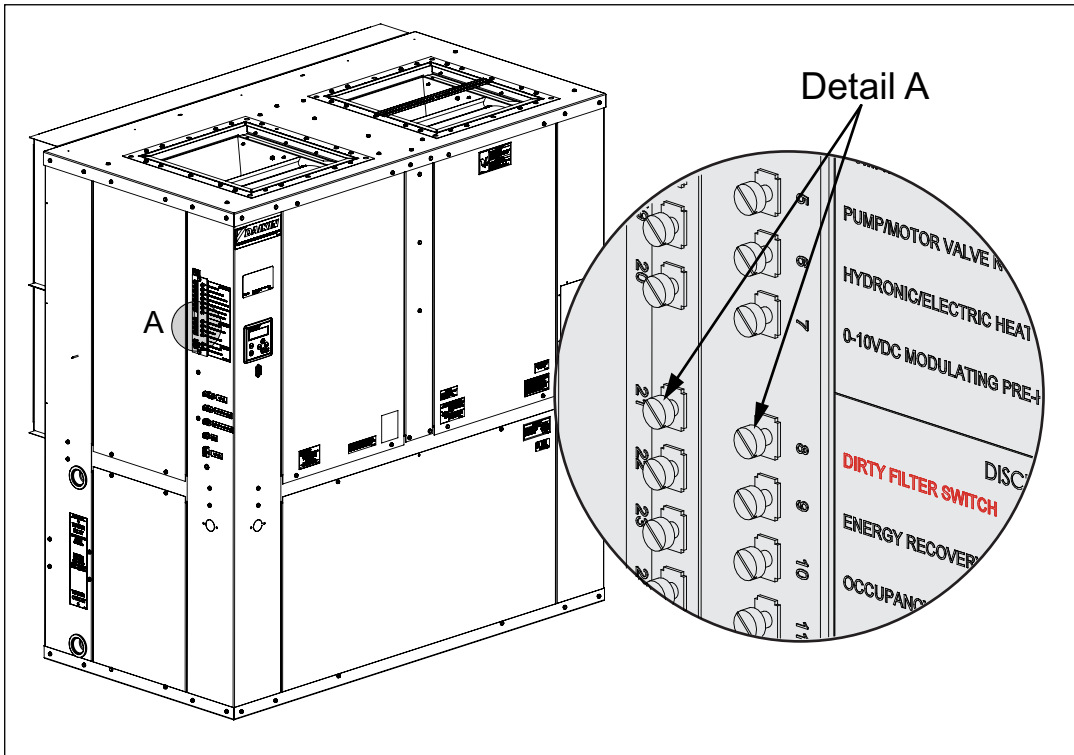
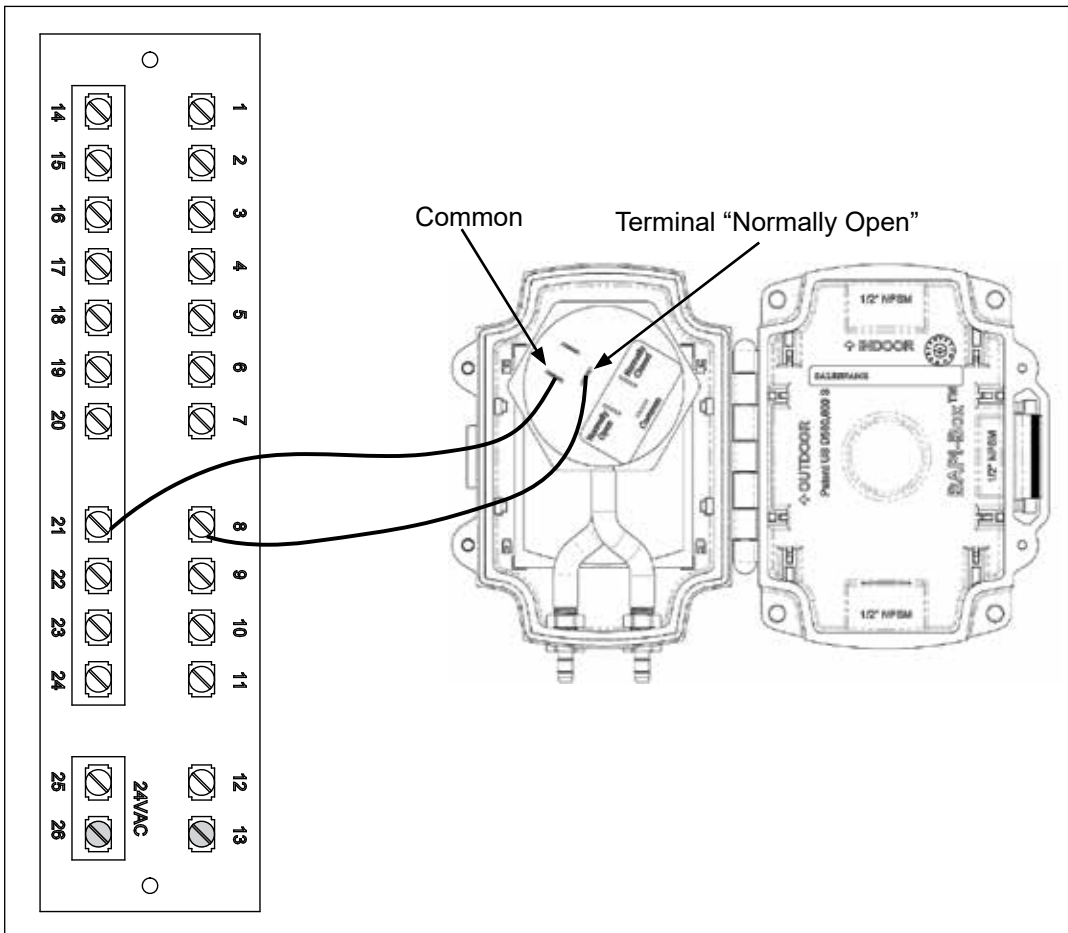


Figure 4: Unit Terminals to Switch Terminals





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