



Step 1 - Power Connections

- A. Connect control power to terminal block locations 1 (L1), G (GND), and 2 (N).
- B. Conduit hub fittings shall be compliant for use with a type 4 enclosure.
- C. Connect the supply and exhaust fan line voltage wiring using contactor terminals L1, L2, and L3 for three-phase 208-240V/460V, or L1 and L2 for a 208-240V single-phase, or just L1 for single-phase 120V. Incoming line voltage wires to originate from building power with branch circuit protection or disconnect means. There should be separate branch circuits for each motor contactor.
- D. Connect the supply and exhaust fan motors using contactor terminals T1, T2, and T3 for a three-phase 208-240V/460V motor, or T1 and T2 for single-phase 208-240V motors, or just T1 for single-phase 120V motors.
- E. Connect fire system microswitch to terminal block locations 5 (FS H) and 6 (FS C). The jumper wire must be removed when a microswitch is installed.
- F. Connect Fan ON/OFF switch to terminal block locations 7 (SW H) and 8 (SW C).
- G. Connect Fan ON/OFF pilot light to terminal block locations 8 (PL H) and 9 (PL C).

Step 2 -Hood Lights and Duct Thermostat

- H. Connect the light switch to terminal block locations 10 (LSWH) and 11 (LSWC).
- I. Connect the hood lights to terminal block locations 11 (L HOT) and 12 (L C). Power for the lights will need to be provided to terminals 10 (L SUP) and 12 (L C) from a shunt trip breaker which disconnects power to the lights when the fire system is tripped.
- J. Connect the duct thermostat to terminal block locations 3 (DT H) and 8 (DT C). If no fire suppression switch is used with the duct thermostat installation, then the yellow jumper wire with tag must remain installed to terminal block locations 5 (FSH) and 6 (FSC).

Optional Step 3 - Fire Relay

- Users may wish to connect a horn or strobe to the control panel to indicate when the fire switch has “tripped”.
- K. Connect control power to terminal block location 13 (C).
 - L. Connect the horn or strobe to terminal block locations 15 (NC) and 9 (PLC).

Optional Step 4 - Auxiliary Relay

- Users may wish to use the auxiliary relay to connect a light to indicate when the exhaust fan is operational. This would be to indicate of a high temp in the duct that needs attention as the duct thermostat has closed.
- M. Connect control power to terminal block location 22 (C).
 - N. Connect the light to terminal block locations 23 (NO) and 9 (PL C).