

ELECTRIC & CONTROLLER INSTALL PROCEDURES

⚠ WARNING! All electrical wiring must be performed by a qualified, licensed electrician. Improper installation may result in electric shock, equipment damage, or death. Do not attempt electrical work unless you are properly qualified and licensed.

⚠ WARNING! Installation of the fan system must comply with all requirements specified in this installation manual, the National Electrical Code (NEC) ANSI/NFPA 70 (current edition), and all applicable local electrical codes. Code compliance is the ultimate responsibility of the property owner and installer.

⚠ WARNING! Fan controllers contain high-voltage capacitors that remain energized after power disconnection. Before servicing electrical components: (1) disconnect main power and apply lockout procedures, (2) isolate all line inputs at the fan controller board (L1, L2/N), (3) wait a minimum of three minutes for capacitors to discharge, and (4) verify zero energy state with appropriate test equipment. Failure to follow this procedure may result in severe injury or death.

CAUTION: The product warranty does not cover equipment damage or failure caused by improper electrical installation or failure to follow installation manual specifications.

⚠ WARNING! Never connect the fan to damaged or hazardous power sources. Do not attempt to diagnose or repair electrical malfunctions unless you are a qualified electrical technician. Contact *Airdistributor* Technical Support for electrical installation questions and ensure your fan system is properly registered for warranty coverage.

1. Installing Wiring

CAUTION: Do not cut copper wire when stripping.

IMPORTANT: Use electrical tape to protect wiring connections and conceal connections inside fan unit/downrod to prevent short circuit and reduce fire hazard.

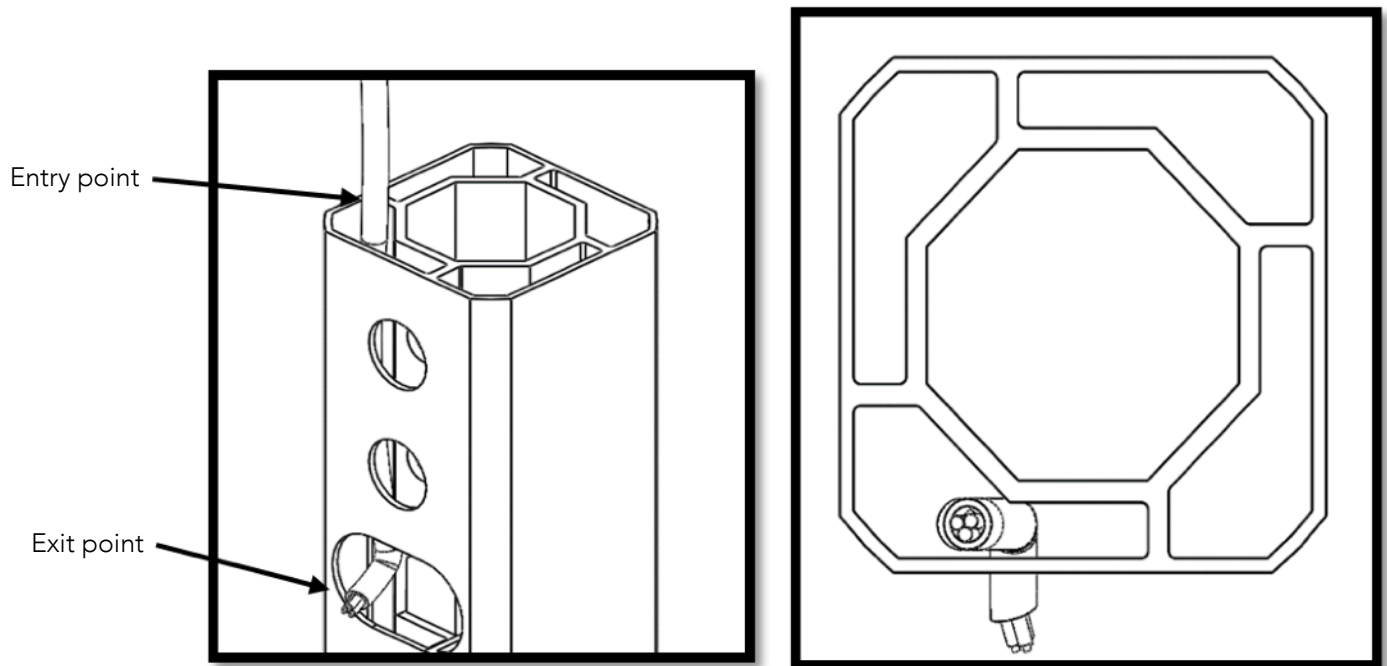
Procedure (diagram 1):

1. Match wire colors on fan motor unit and connect. One wire clip is required every 1.5 meters.
Organize wiring neatly.

Note: Wire connections must match up to the SAME COLOR (e.g. yellow to yellow, red to red, etc)

2. Refer to below diagrams for details on passing wiring through downrod. Ensure electrical circuit avoids contact with any screws.

Diagram 1:



2. Wiring the Wall-Mounted Controller to Fan

Required Components:

Wall-mounted controller (x1)

Hardware for mounting controller to wall (not included)

Procedure (diagrams 2, 3 & 4):

1. Mount and secure controller to wall. Use a level to mark and drill holes as necessary.
2. Strip electrical wiring and connect to controller wires. Make sure to color match all connections.
3. Refer to the following diagrams for details on properly wiring fan to controller and controller to facility power source.

Diagram 2:

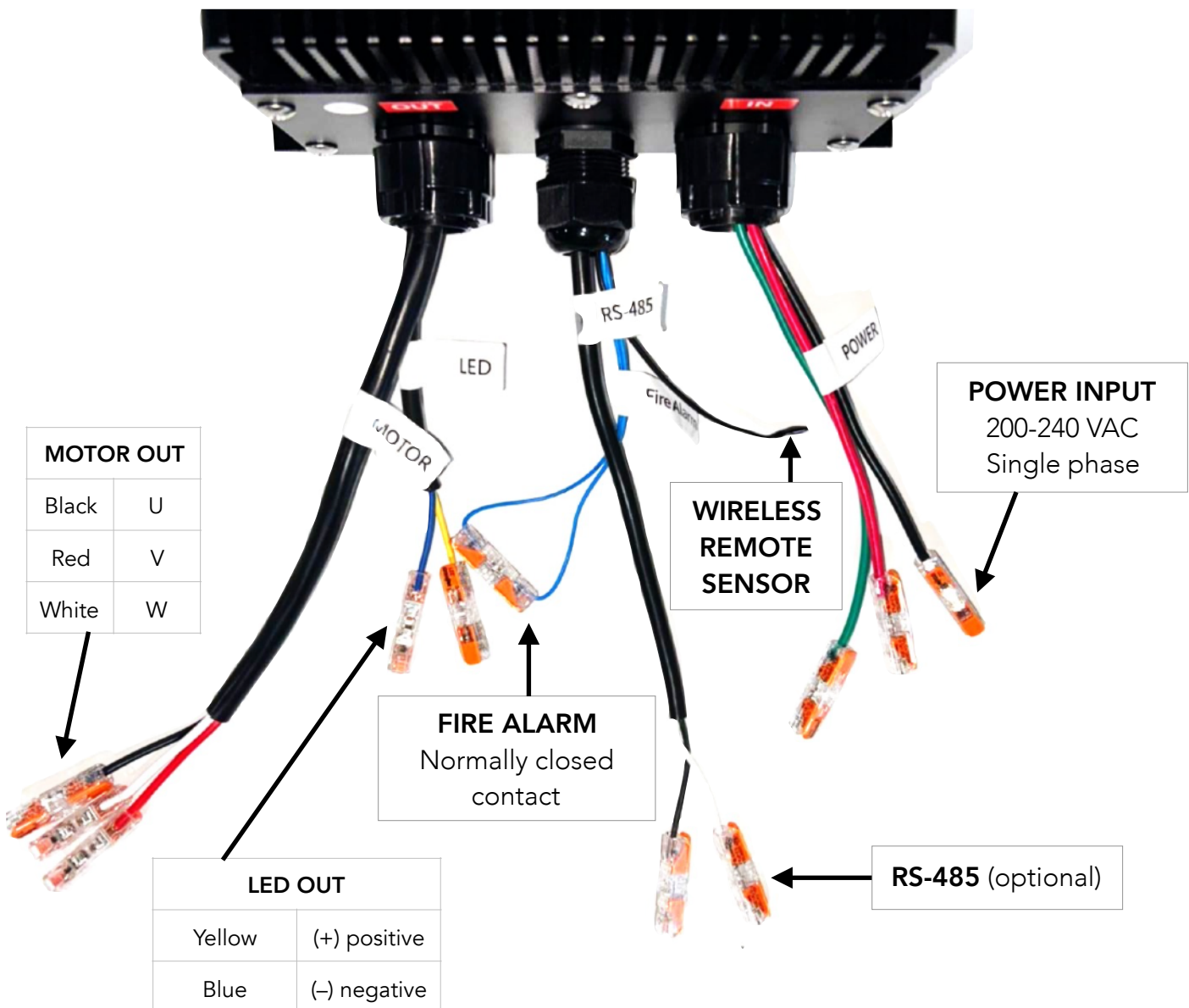


Diagram 3:

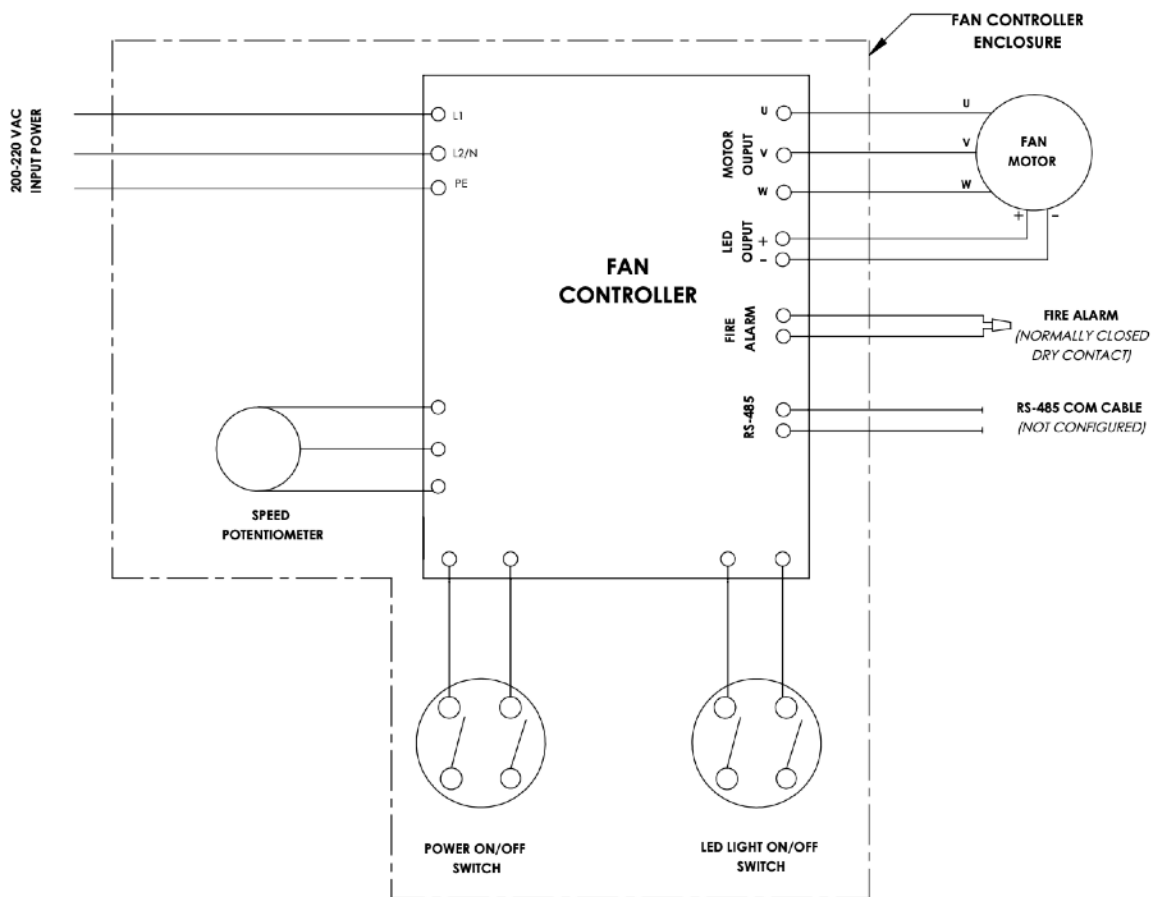
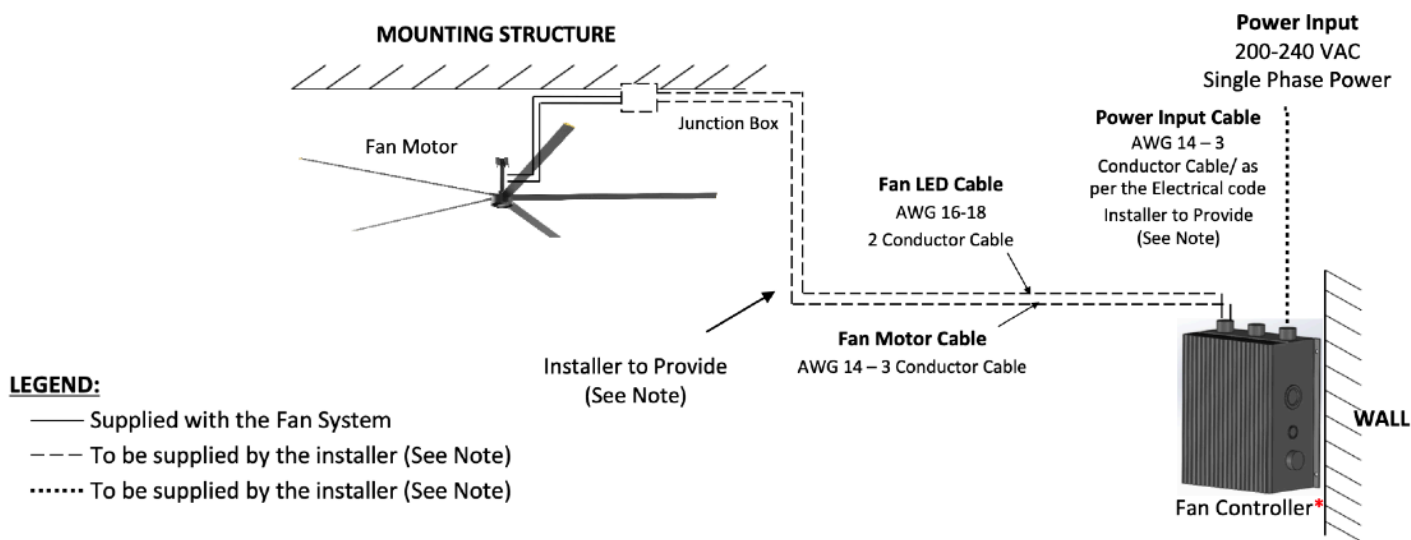


Diagram 4:



Note: Plugs and cables provided by installer are required to meet the applicable National Electrical Code and/or local codes. Fan installation should comply with the general electrical wiring requirements outlined in these codes, ensuring proper grounding, circuit sizing, and disconnects, Consider specific mounting and structural requirements to safely support the fan's weight.