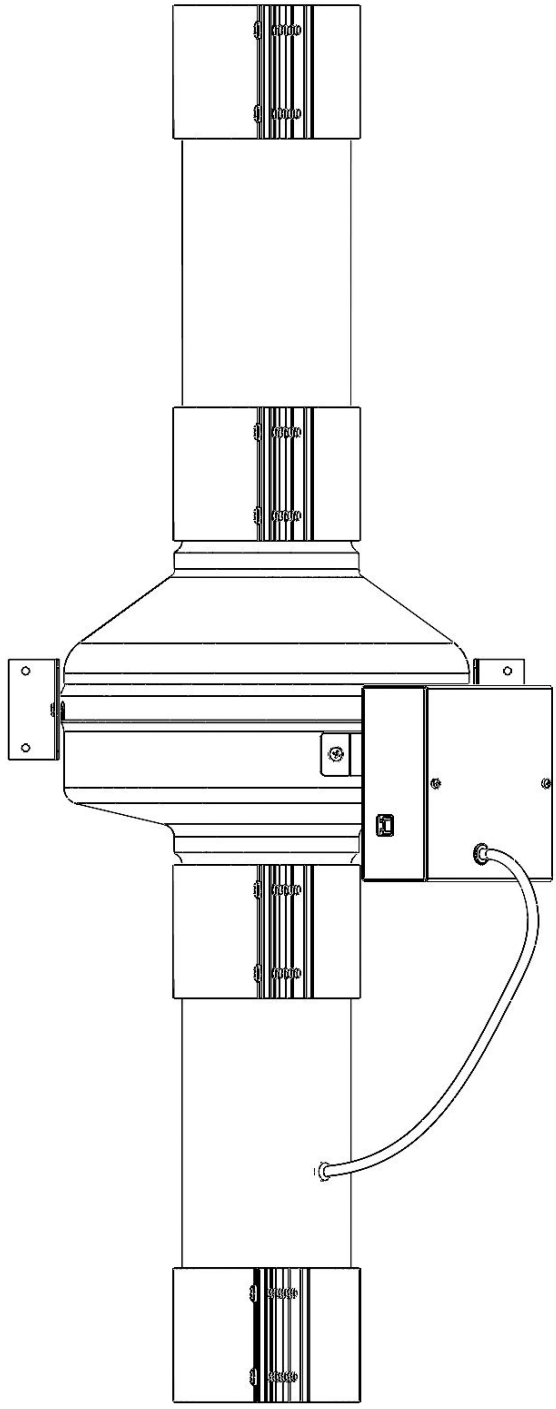
VTX-DEDPV

— USER MANUAL

VTX-DEDPV KIT
1 x Inline fan with integral control
2 x 8″ Section of galvanized duct
4 x ADC4 clamps
1 x Grommet for tubing
1 x Mounting bracket and hardware
1 x Indicator panel
1 x 2″ x 4″ Indicator cover plate
1 x 50 ft (15.4 m) Communication cable
1 x Warning label for indicator cover plate



IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

WARNING — TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING :

A - Your dryer installation incorporates a dryer exhaust power ventilator (DEDPV) incorporating a lint trap.
B - Your dryer depends on the DEDPV for its safe and efficient operation. Operating your dryer without a functional DEDPV will result in inefficient dryer operation, excess energy consumption and a possible fire hazard. See warning light on DEDPV front panel.
C - The VTX-DEDPV shall be permanently installed within the space in which the dryer is installed. In the case of a dryer installed in an alcove provided with a door, the DEDPV shall be installed within the alcove or be installed immediately adjacent to the doors of the alcove. The DEDPV shall be located where it will be readily visible after the dryer is installed without opening any doors other than those necessary to access the dryer.

WARNING — IF A CONTINUOUS ALARM SOUNDS OR A VISUAL ERROR INDICATOR IS PRESENT, DO NOT OPERATE THE CLOTHES DRYER. CONTACT YOUR SERVICE PERSONNEL

- Do not install in an exhaust ductwork of a clothes dryer whose instructions prohibit the installation of a clothes dryer booster fan (DEDPV).
- Do not install in an exhaust ductwork where the equivalent duct length is less than 25 ft (7.62 linear metres).
- The VTX-DEDPV is suitable to overcome an equivalent duct length of 130 feet (39.6 meters) of 4 inch diameter galvanized steel duct, and to maintain an air velocity of 1200 fpm (6.10 m/s).
- Do not exhaust air in excess of 167F (75C) and do not install less than linear 4ft (1.21m) from clothes dryer exhaust outlet.
- Do not install less than 4 linear feet (1.21 linear meters) or more than 45 linear feet (13.71 linear meters) from clothes dryer exhaust outlet.
- Insulated dryer duct shall not be used upstream of the ventilator.
- The ventilator must not be used in conjunction with high output dryers.
- For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- The installation must comply with local electrical and mechanical building codes, and must be inspected and accepted by local authorities having jurisdiction.

INSTALLATION GUIDELINES

TO PREVENT THE POSSIBILITY OF DRYER FAN CAVITATION AND/OR EXHAUSTING EXCESS HEAT REQUIRED FOR THE DRYING CYCLE AND COMPROMISING DRYING TIMES, BOOSTER FAN AIRFLOW MUST NOT EXCEED THE DRYER FAN CAPACITY.

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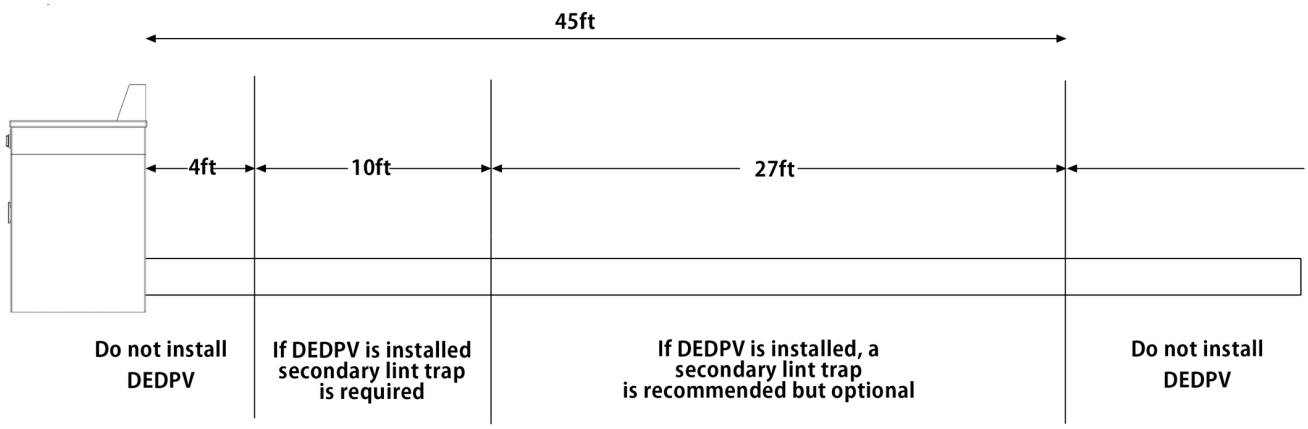
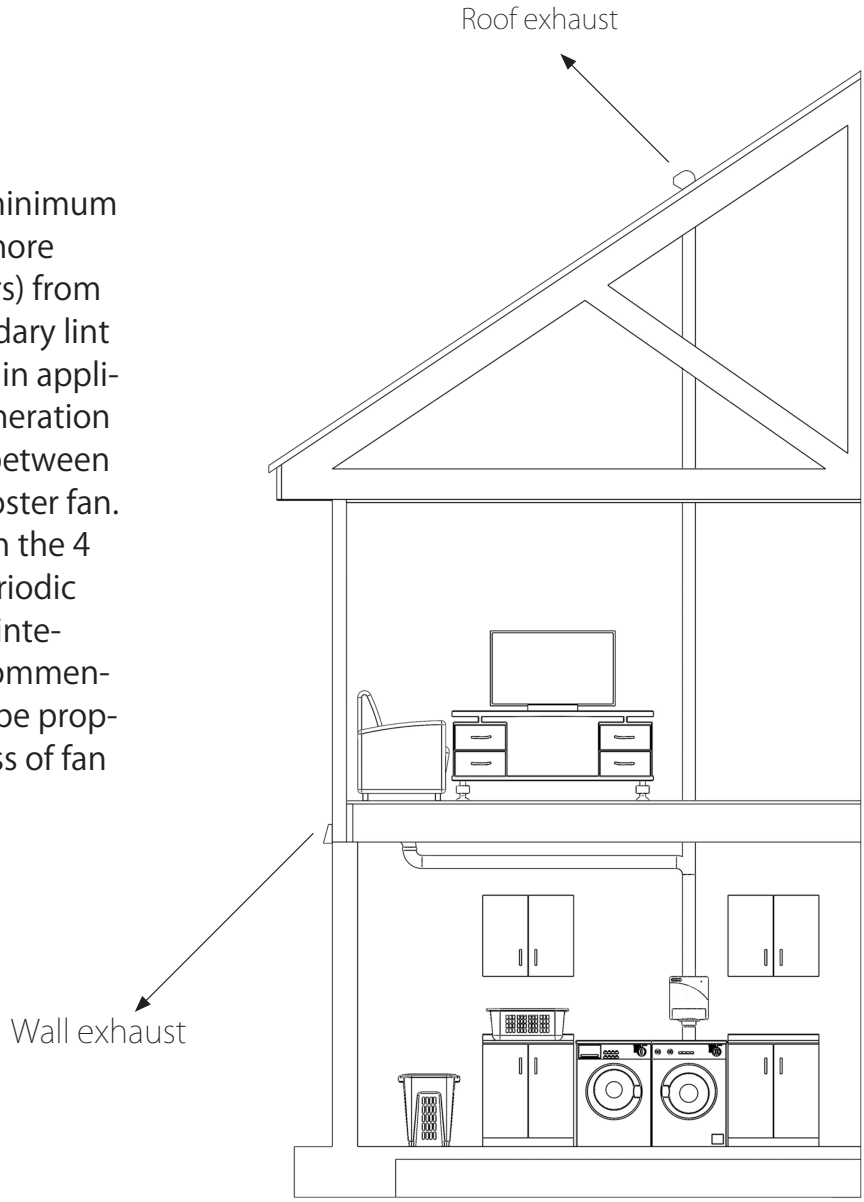
Calculating duct run for secondary lint trap

To calculate the length of your planned duct run, measure from the dryer to external venting point in roof or wall. For each bend or elbow add 5 feet (1.52 meter) to your total duct run calculation. The VTX-DEDPV can be used on runs up to 130 feet (39.6 meter).



Fan location

The VTX-DEDPV is to be mounted a minimum of 4 linear feet (1.21 meter) and not more than 45 linear feet (13.71 linear meters) from clothes dryer exhaust outlet. A secondary lint trap can be used where required and in applications where excessive dryer lint generation is likely to increase the time interval between routine maintenance of the dryer booster fan. The VTX-DEDPV is to be attached with the 4 ADC4 clamps (included) to permit periodic inspection of the blower. Refer to maintenance instructions for inspection recommendations. All duct connections should be properly sealed to prevent leakage and loss of fan performance.



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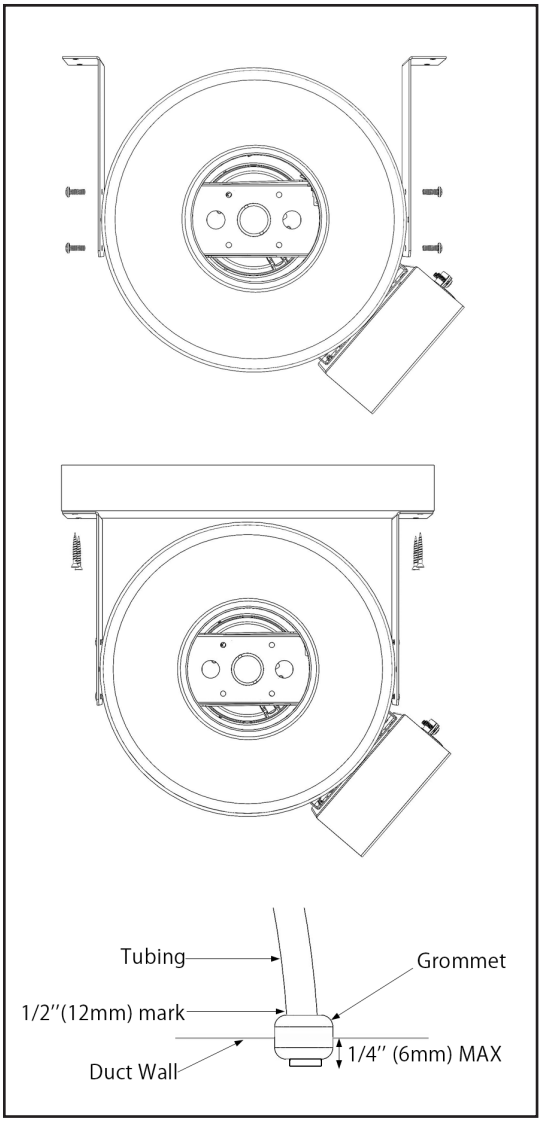
Indicator panel

The VTX-DEDPV is equipped with a remote mounted low voltage operation indicator panel. This panel contains a RGB LED that will indicate proper operation of the booster fan. In the event of a problem with the system, it will indicate the nature of the problem.

INSTALLATION INSTRUCTIONS
Fan Installation VTX-DEDPV



STEP 1 — Install the mounting bracket on both side of the fan

REMARQUE : Fan mounting can be done at any angle however, vertical mounting is recommended to reduce condensation buildup in the fan. If a horizontal installation is necessary and condensation buildup may pose a problem, a 1/4" (6 mm) hole drilled in the bottom of the housing (along with an NPT insert (by others) and drain tubing) may be installed to allow condensation to drain.

STEP 2 — Mount the fan

Using wood screws provided, attach the mounting bracket to a support beam at the selected location. For proper operation, the control box (located on the fan) needs to be positioned to provide access to the indicator panel RJ12 female connector and the tubing connections.

STEP 3 — Install acces duct on inlet and oulet and secure with ADC4

Install the 8 " long cleanout duct using the ADC4 duct clamps. See dimensional data on next page.

STEP 4 — Install acces duct on inlet and oulet and secure with ADC4

Drill a 1/4 inch diameter hole in the inlet duct wall 4 to 8 inches from the inlet of the fan. Carefully insert the grommet into the hole.
Do not connect the tubing in such a manner as to allow condensation from the duct to collect in the tubing. Mark the opposite end of the pressure tubing ½ inch from the edge and insert into the grommet until the marking is reached.

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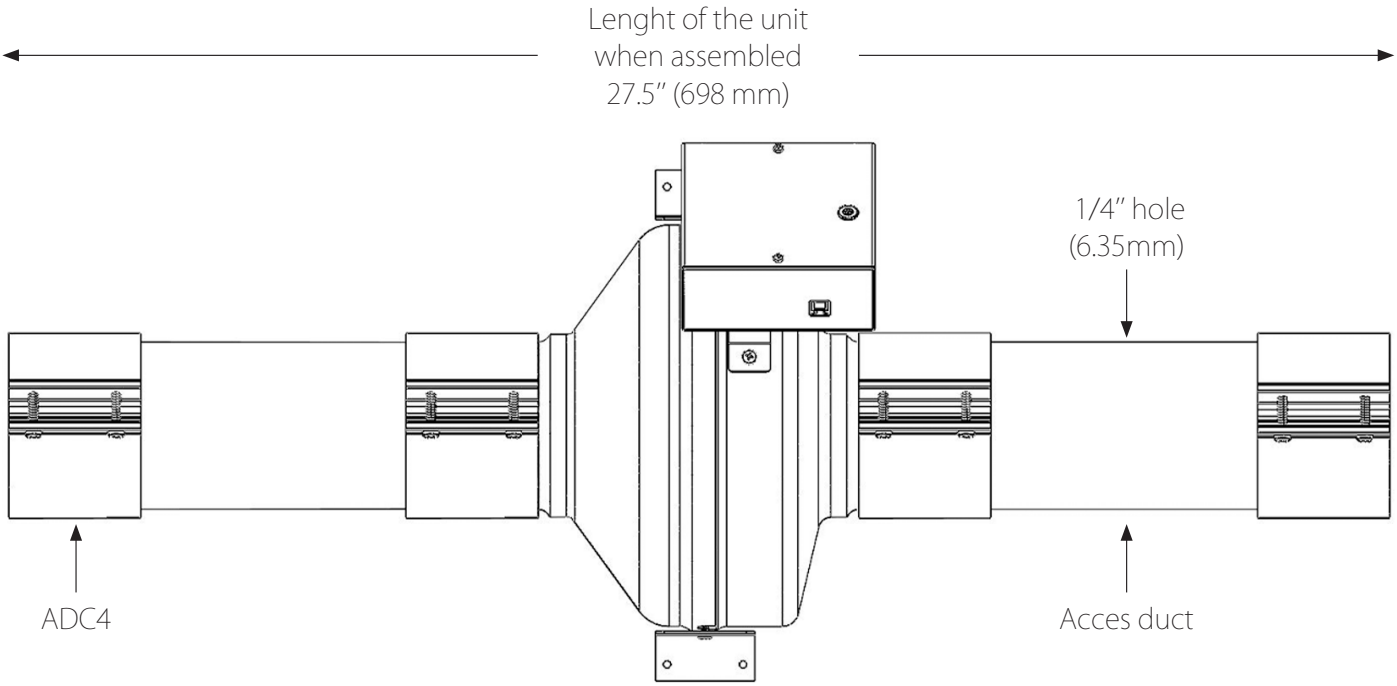
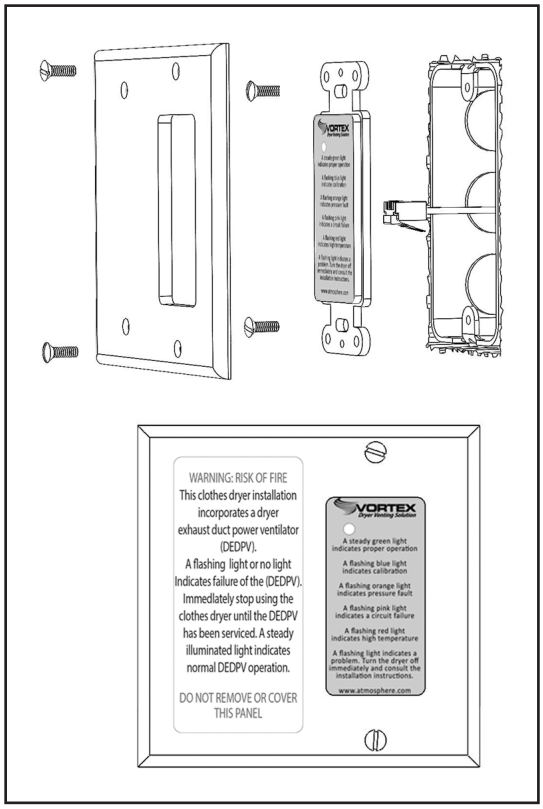
IMPORTANT — The dryer duct in which the VTX-DEDPV is installed must terminate with a dryer exhaust hood with a flapper or have a backdraft damper installed near the exterior termination.



Indicator panel installation



STEP 1 — Selecting panel location

The VTX-DEDPV indicator panel mounts near the dryer in a location that will be visible to the operator of the dryer. The indicator panel is supplied with 50 feet (15.2 meter) of cable. Ensure that the indicator panel and booster fan are located to allow their connection with this cable.

STEP 2 — Connection and mounting panel

The indicator panel is a low voltage device that is not required to be installed in an electrical junction box. If provided with clearance for the cable and terminal block it can be mounted to a wall using appropriate fasteners. If installer chooses to mount indicator panel in a single gang junction box (by others), it should not be installed in a box that contains high voltage wiring or devices. Both end of the 50 foot (15.2 meter) cable have a RJ12 male connector.

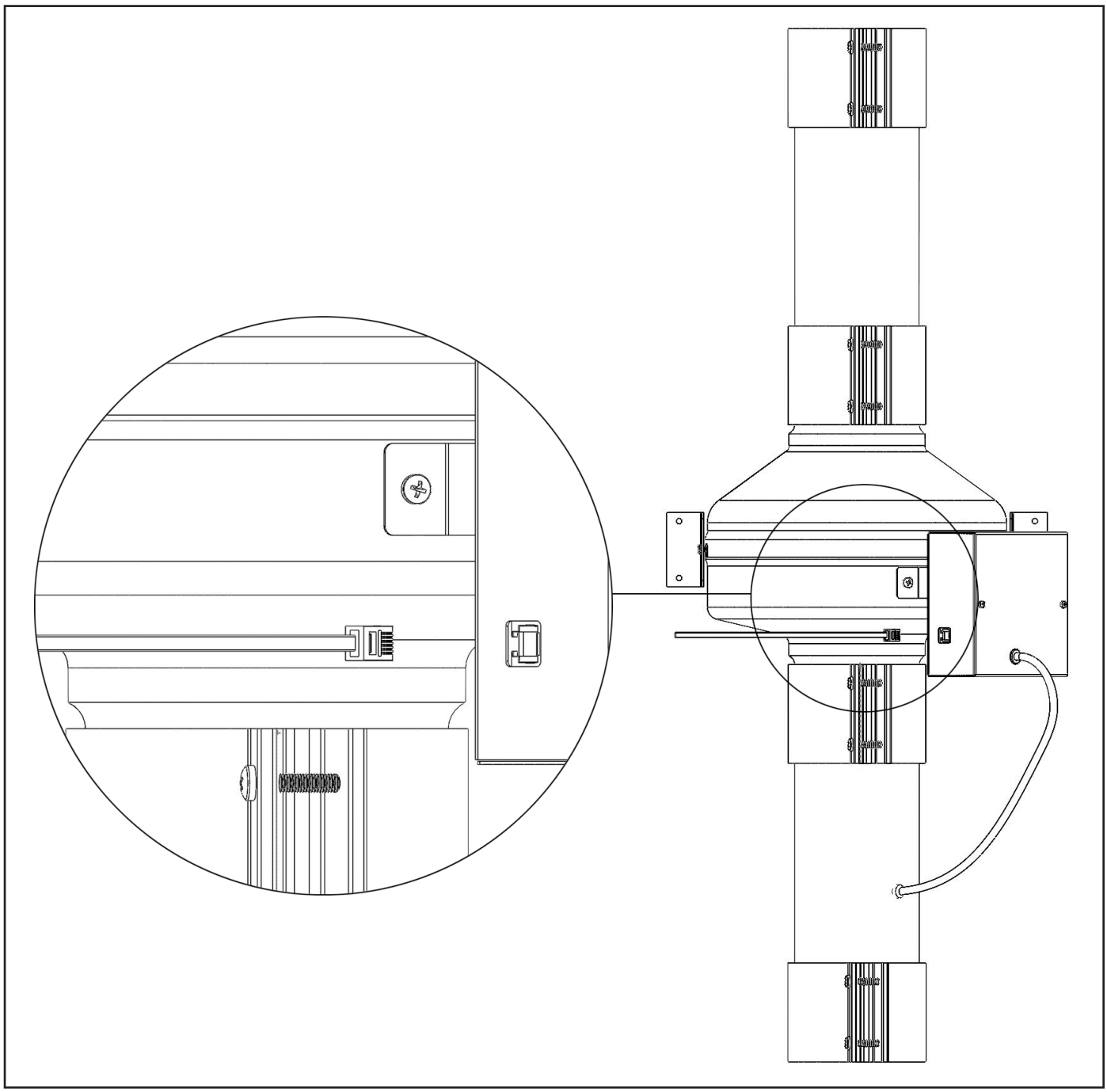
STEP 3 — Warning label

Install waining label sticker next to the indicator panel. The VTX-DEDPV is equipped with a re-mote mount, low voltage, operation indicator panel. This wall-mounted indicator panel contains

a RGB LED that is intended to visually alert the occupant of any detected faults.

STEP 4 — **Connect indicator panel cable to the fan**

Connect both end RJ12 of the 50 foot (15.2 meter) cable, one end to the fan jonction box female connector and one end the the female connector on the back of the indicator panel.



VTX-DEDPV Calibration procedure

IMPORTANT — Make sure all of the following are performed before supplying power to the VTX-DEDPV. Confirm the VTX-DEDPV and the entire duct system is completely installed and clear of lint. (Required for proper calibration)

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- Confirm the dryer is off and cool.
- Confirm all lint traps are empty of lint and reinstalled in their proper position.
- Confirm the dryer is empty of clothing.
- Confirm the door on the dryer is closed.
- Supply power by plugging in the power cord or cycling the power circuit that supply the VTX-DEDPV

NOTE — Within 10 seconds of the VTX-DEDPV dryer booster being supplied power, it will come on and run for up to 15 - 20 seconds. This is a calibration period and will only happen when the VTX-DEDPV is first powered, LED is flashing blue during calibration mode and after calibration mode motor and LED will shut off. The VTX-DEDPV is now calibrated and the clothes dryer can be used.

NOTIFICATION PANEL STATUS MODE

CALIBRATION MODE (Flashing blue LED)

PROPER VENTING MODE (Steady green LED)
When the VTX-DEDPV is on, the green LED will be continuously on.

PRESSURE FAULT MODE (Flashing orange LED) If at anytime during the calibration or operating cycle of the VTX-DEDPV and the dryer there is excessive pressure sensed, the notification panel will flash the orange LED. The VTX-DEDPV will continue to operate to try to clear the blockage. Stop the dryer immediately and have the vent system inspected by someone qualified to do so. The power to the VTX-DEDPV will need to be removed to clear the fault condition and turn the VTX-DEDPV motor off. The VTX-DEDPV calibration cycle will need to be performed. (See trouble-shooting for complete details)

CIRCUIT FAILIURE MODE (Flashing pink LED).
If at anytime during the calibration or operating cycle the VTX-DEDPV is not fonctionning properly due to a circuit or motor failiure stop the dryer immediately, turn off power of the VTX-DEDPV and contact the manufacturer.

TEMPERATURE FAULT MODE (Flashing red LED) The VTX-DEDPV has a non-resettable thermal fuse link which will trigger when exhaust temperatures exceed 196°F. This is a safety feature designed to prevent the VTX-DEDPV from operating during abnormal/dangerous drying conditions. Call technical support for authorization before opening the electrical compartment; check resistance across the thermal overload protector.

RECOMMENDED MAINTENANCE

Depending on use, but at least once a year, we recommend cleaning the dryer exhaust vent. On an annual basis, make sure that exhaust hood flapper or backdraft damper is clean of lint and moves freely. The VTX-DEDPV motor is maintenance free. If the VTX-DEDPV is acting erratically, perform the calibration procedure.

Fan impeller may accumulate lint. Periodic inspection, based upon dryer usage, should be performed to ensure that the fan impeller is not obstructed or loaded with lint.

To inspect and clean the impeller :

- Disconnect the incoming power supply at the source.
- Loosen the ADC4 fast clamps and remove the 8-inch extender ducts from the fan inlet and outlet; remove any lint buildup on the impeller and near the outlet.
- Reconnect the duct to the fan. Turn power supply back on to recalibrate the unit.

WARNING — Do not blow into the pressure sampling tube in the direction of the circuit board. The pressure sensor is a very sensitive device that can be destroyed if subjected to the pressure created by someone blowing strongly into it.

TROUBLESHOOTING

IMPORTANT — All faults are indicated by a different colored LED light or no lights on notification panel. Faults must be investigated as outlined below and must only be cleared once a thorough investigation of the dryer vent system and dryer has been performed by someone qualified to do so. Perform VTX-DEDPV calibration procedure to clear any faults once investigation is completed.

No indicator light | VTX-DEDPV not operating when dryer runs.

- The VTX-DEDPV is interlocked to the dryer by sensing the pressure inside the exhaust duct when the dryer turns on. Replace the tubing if damage is observed.
- Dryers are equipped with operating temperature controls that monitor drying temperatures. Normal exhaust temperatures should not exceed 167°F. If the safety thermal fuse in the VTX-DEDPV trips, the dryer is operating outside its limits. Contact the dryer manufacture and replace the VTX-DEDPV.
- If the dryer is operating and there is no green LED on the notification panel, stop the dryer immediately and have the vent system inspected by someone qualified to do so.

PRESSURE FAULT MODE (Flashing orange LED)
If at anytime during the calibration or operating cycle of the VTX-DEDPV and the dryer there is excessive positive pressure of +0.16" W.C. sensed for over four minutes, the notification panel will flash the orange LED. Stop the dryer immediately and have the vent system inspected by a person qualified to do so. This is an indication of excessive back pressure in the vent system.

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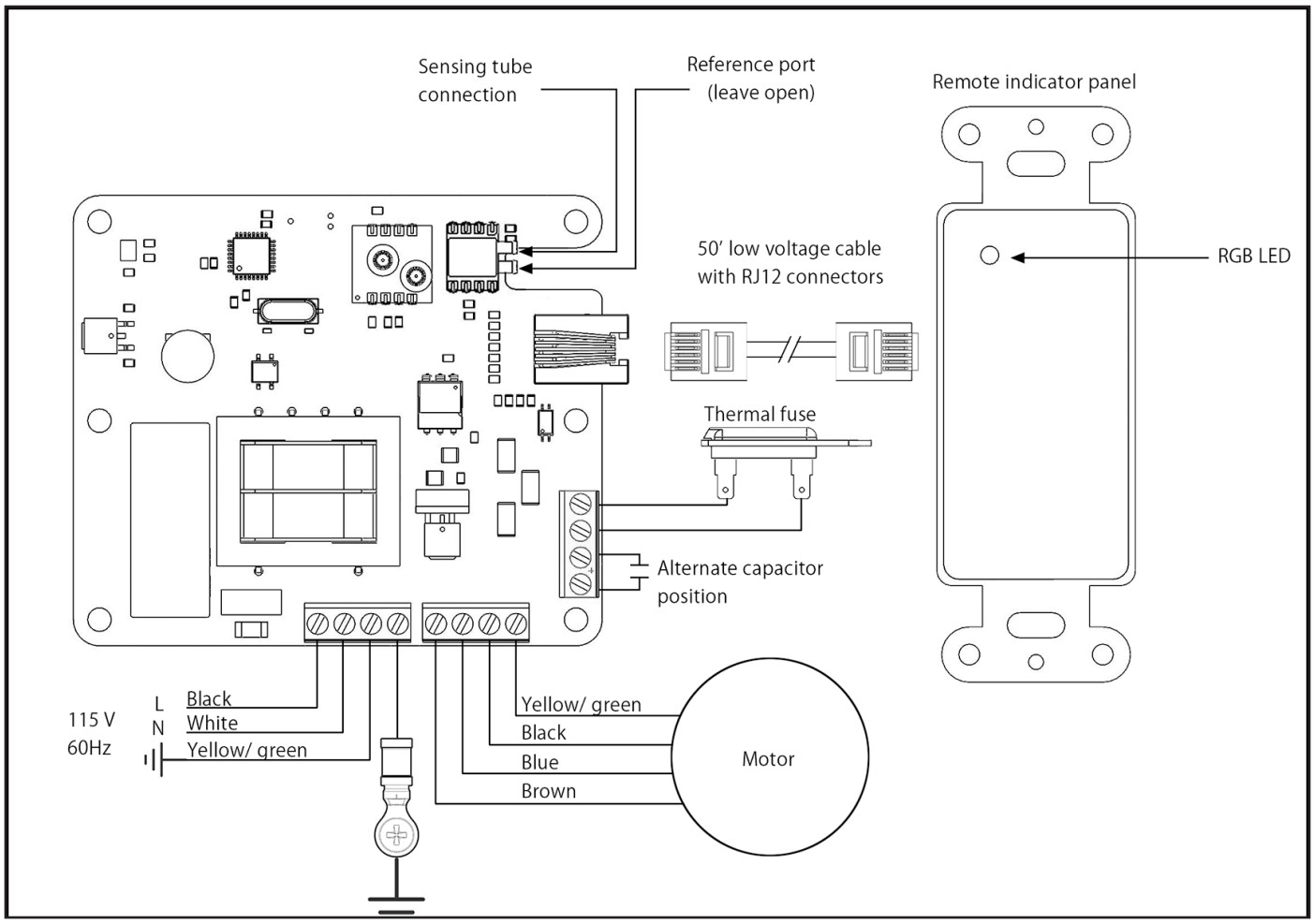
WIRING DIAGRAM



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WARRANTY

Ten (10) Year Warranty
This warranty supersedes all prior warranties

DURING ENTIRE WARRANTY PERIOD — Atmosphere will repair or replace any part which has a factory defect in workmanship or material. Product will need to be returned to the Atmosphere factory, together with a copy of the purchase invoice and identified with RMA number.

FOR FACTORY RETURN YOU MUST :

- Have a Return Materials Authorization (RMA) number. This may be obtained by contacting Atmosphere at info@atmosphere.com. Please have the purchase invoice available.
- The RMA number must be clearly written on the outside of the box or it will be refused.
- All parts and/or product will be repaired/replaced and shipped back to buyer. **No credit will be issued.**

OR

The distributor may place an order for the warranty part and/or product and will be invoiced. The distributor will receive a credit equal to the invoice only after product is returned, prepaid, and verified to be defective.

ATMOSPHERE WARRANTY TERMS DOES NOT PROVIDE FOR REPLACEMENT WITHOUT CHARGE PRIOR TO INSPECTION FOR A DEFECT. REPLACEMENTS ISSUED IN ADVANCE OF DEFECT INSPECTION ARE INVOICED AND CREDIT IS PENDING INSPECTION OF RETURNED MATERIAL. DEFECTIVE MATERIAL RETURNED BY END USERS SHOULD NOT BE REPLACED BY THE DISTRIBUTOR WITHOUT CHARGE TO THE END USER, AS CREDIT TO DISTRIBUTORS ACCOUNT WILL BE PENDING INSPECTION AND VERIFICATION OF ACTUAL DEFECT BY ATMOSPHERE.

THE FOLLOWING WARRANTIES DO NOT APPLY :

- Damages from shipping, either concealed or visible. Claims must be filed with freight company.
- Damages resulting from improper wiring or installation.
- Damages or failure caused by act of God, or resulting from improper consumer procedure, such as :
    1. Improper installation
    2. Improper maintenance.
    3. Misuse, abuse, abnormal use, or accident, and incorrect electrical connections.
    4. Removal or any alteration made on the Atmosphere label control number or date of manufacture. Any other warranty, expressed, implied or written, and to any consequential or incidental damages, loss or property, revenues, or profit, or costs of removal, installation or reinstallation, for any breach of warranty.

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WARRANTY INVALIDATION

The user must keep a copy of the purchase invoice to verify purchase date.
This warranty gives you specific legal right, and is subject to an applicable consumer protection legislation. You may have additional rights which vary from state to state.

LIMITATION OF WARRANTY AND LIABILITY

This warranty does not apply to any Atmosphere product or part which has failed as a result of misinstallation or abuse, incorrect electrical connections or alterations made by others, or use under abnormal operating conditions or misapplication of the product or parts. Atmosphere will not approve any payment for any repair not made by us or our authorized agent without prior written consent. The foregoing shall constitute our sole and exclusive warranty and our sole exclusive liability, and is in lieu of any other warranties, whether written, oral, implied or statutory. There are no warranties which extend beyond the description on the page hereof. In no event, whether as a result of breach of contract, or warranty or alleged negligence, defect incorrect advice or other causes, shall Atmosphere be liable for special or consequential damages, including but not limited to, loss of profits or revenue, loss of use of equipment or any other associated equipment, cost of capital, cost of substitute equipment, facilities or services, downtime costs or claims of customers of purchase for such damages. Atmosphere neither assumes or authorizes any person to assume for it any other liability in connection with the sale of product(s) or part(s). Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages so the above limitations and exclusions may not apply to you.

WARNING — ATMOSPHERE reserves the right to make technical changes. For up-to-date documentation, please refer to www.atmosphere.com