

Digital Airflow Monitor

Installation Procedure

Tools Required:

1. Power Drill
2. Drill bit size #37 (0.104")
3. 33/64" diameter hole saw for cutting into side wall
4. Reciprocating saw with saw blades for cutting sheet metal
5. Pilot drill sized to fit the saw blade
6. Phillips head screwdriver with #1 point
7. Slotted screwdriver with 3/32 blade width

WARNING: If the monitor is to be installed on a hood with Hardiboard™ fiber-cement panels or similar material, use a special hole saw designed for glass and other hard, abrasive materials. Failure to do so may shatter or crack the panel.

DANGER: Always wear eye protection when using power tools. Observe all necessary precautions when installing or repairing monitors near electrical equipment.

Procedure

- Step 1: Determine the mounting location of the monitor. Use the cardboard template supplied as a guide for the size of the installed product and the hole needed to be cut out of the hood. The cutout required is 3" high by 2" wide, which is the typical size required for a single switch electrical box. If the cardboard template is not available, a dimensioned pictorial is at the back of the manual included with the monitor.
- Step 2: Using the template, mark off the 3" high by 2" wide hole necessary to clear the rear enclosure portion of the monitor. Mark off the two mounting screw hole locations.

- Step 3: Drill a pilot hole in each of the four corners. Use the saw to cut out the hole. A suitable nibbling tool may also be used.
- Step 4: Drill the two #37 mounting screw holes.
- Step 5: Drill one hole 33/64" diameter in the side wall of the fume hood approximately 6" behind the sash and even with the sash bottom when it is fully open. Insert the side wall adapter from the inside of the hood and securely lock it in place from the back with the lock ring.
- Step 6: Connect the input/output signal wiring, if required, to the terminal block on the back of the monitor. See the Electrical Wiring section for wiring information.
- Step 7: Connect one end of the supplied air hose to the side wall adapter. Route the hose as necessary to prevent kinks and bends which can affect the calibration. Trim slightly if required. Firmly connect the other end to the flow tube on the rear of the monitor.
- Step 8: Connect the power cord to the power jack.
- Step 9: Screw the monitor to the fume hood.
- Step 10: Mount the junction box supplied to the top of the fume hood as indicated in the illustration. The location should be placed so that the power cable from the blower and light switches reaches the junction box. (Proper planning is essential).
- Step 11: Provide power to the supplied receptacle outlet with the supplied cable. The 9742900 cable is wired from the switches to the receptacle. See the optional airflow monitor switch wiring detail to wire.
- Step 12: Attach the electrical receptacle cover plate and plug the power supply into the wired receptacle outlet. Power is now supplied to the monitor.
- Step 13: The installation of the monitor is now complete.

Warranty-

We are committed to providing our customers with quality equipment and service after the sale. Part of this objective involves keeping you informed of changes and new product additions.

Labconco Corporation warrants products of its manufacture for one year, from receipt of the equipment by the purchaser, against defects in materials and workmanship. This limited warranty covers parts and labor but not transportation and insurance charges. In the event of a warranty claim, contact the dealer who sold you the product. If the cause is determined to be a manufacturing fault, the dealer or Labconco Corporation will repair or replace all defective parts to restore the unit to operation. **Under no circumstances shall Labconco Corporation be liable for indirect, consequential or special damages of any kind.** This statement of warranty may be altered by specific published amendments. No individual has authorization to alter the provisions of this warranty policy or its amendments. Lamps and expendable items such as filters are not covered by this warranty. Damage due to corrosion or accidental breakage is also not covered.

WARNING: various federal, state or local regulations may govern the disposal and/or emission of substances used in connection with this equipment. All users of this equipment are urged to become familiar with any regulations that apply in the user's area concerning the dumping of waste materials in or upon water, land or air and to comply with such regulations.

Shipping Claims-

If a shipment is received in visibly damaged condition, be certain to make a notation on the delivering carrier's receipt and have his agent confirm the damage on your receipt. Otherwise, the damage claim may be refused.

If concealed damage or pilferage is discovered, notify the carrier immediately and retain the entire shipment intact for inspection. Interstate Commerce Commission rules requires that the claim be filed with the carrier within 15 days after delivery.

NOTE: Do not return goods. Goods returned without prior authorization will not be accepted. Labconco Corporation and its dealers are not responsible for shipping damage. The recipient must file claims directly with the freight carrier. If authorization has been received to return this product, by accepting this approval, the user assumes all responsibility and liability for biological and chemical decontamination and cleansing. Labconco reserves the right to refuse delivery of any products that do not appear to have been properly cleaned and/or decontaminated prior to return.

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