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DewStop[®] ADJUSTABLE

FS-300
FS-3300
Bathroom Condensation Control

ENGLISH LANGUAGE MANUAL

Go To Research
Technologies, Inc.
Seattle, WA, USA

page
height:
96.52 mm
(3.8 in.)

(A.) ABOUT DewStop[®]

DewStop is intended for condensation problem areas of a home, such as near the shower or bath. If condensation is a problem or is suspected to be a problem, simply replace your existing fan switch with DewStop. For DewStop to sense condensation, the room will need to show visible signs of wetness attaching to surfaces, such as steam on walls / mirrors / fixtures. Visible steam in the air is not the problem, the problem occurs when moisture in the air becomes too heavy and the air cannot support the moisture. The moisture then moves to surfaces (this is the dew point), triggering the DewStop sensors. The remarkable DewStop product is constantly checking the air for condensation. At the right time, DewStop will turn ON your fan and run the fan to clear the room. NOTE: A good quality fan properly sized for the room is essential to the successful removal of moisture from any room. DewStop only detects condensation, it cannot stop it. DewStop relies on a closed room and a quality fan to properly detect condensation and dry a room.

(B.) INSTALLATION INSTRUCTIONS

CAUTION

1. Use only a 120V AC 60Hz power supply connection.
2. For dry contact switching, a 24V AC connection can be used (note: 24V AC input will result in 24V AC output). [available with FS-3300 model only]
3. For indoor use only.
4. Do not exceed DewStop's maximum electrical load ratings, as indicated on the product label.
5. Must be installed and used in accordance with your local electrical codes.

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6. If a bare copper or green ground connection is not available in the wall box, contact a licensed electrician for installation.
7. For use with permanently installed 120V AC powered fans only.
8. Use only #14 or #12 copper wire connections.

WARNING

Turn OFF circuit breaker or remove fuse(s) and test that power is OFF before wiring. Wiring DewStop live can cause serious risk of electrical shock and/or damage the control, voiding the warranty. FOR SAFETY, THIS PRODUCT MUST BE INSTALLED IN A GROUNDED WALL ENCLOSURE. If you are unfamiliar with methods of installing electrical wiring, secure the services of a qualified licensed electrician. USE ONLY COPPER WIRE, DO NOT use aluminum wire with this device.

IMPORTANT

Read each step carefully and perform in sequence. DewStop will not work or will become damaged if wires are connected incorrectly. To prevent damage, connect DewStop exactly as shown in the installation diagrams, otherwise warranty will be voided. Prior to wiring, straighten or clip ends of wire such that ends of each wire are straight (if using DewStop to replace an existing switch). Strip wire insulation at the end of each wire to expose 5/8 inch (16 mm) of copper. Where instructed to make a connection, twist ends of stripped wires together and twist a proper connector clockwise until secure.

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(C.) INSTALLATION STEPS

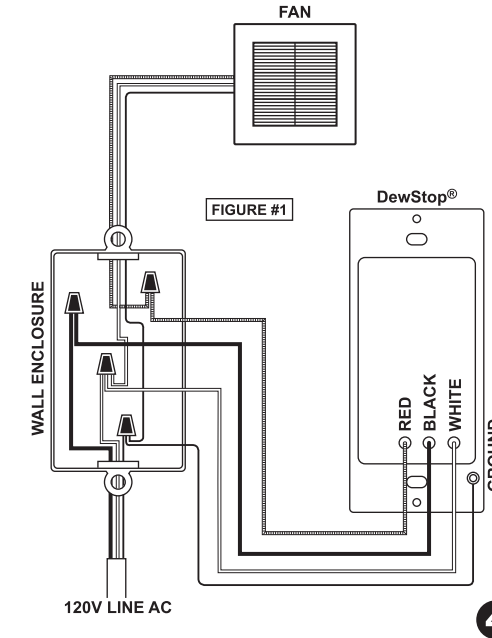
1. WARNING
To avoid fire or risk of electrical shock, turn OFF power at circuit breaker or disconnect fuse. Test the power is OFF before you begin wiring.
2. BEFORE YOU MOUNT THE CONTROL
(new installation) Install DewStop in a 3½ inch deep single-gang or multi-gang electrical wall enclosure. OR (replacement of existing switch) remove existing wall plate and switch device being replaced.
3. ATTACH POWER WIRE AND FAN WIRE
Attach 120V AC 60Hz 3-wire power (Hot / Neutral / Ground) inside the wall enclosure with a minimum of 6 inch leads. Attach fan three wire leads inside the wall enclosure also with minimum 6 inch leads. If an existing power connection is used in an existing wall enclosure you must confirm proper AC 120V Hot / Neutral / Ground are available.
4. For dry contact switching, a 24V AC connection can be used (note: 24V AC input will result in 24V AC output). [available with FS-3300 model only]
5. CONNECT WIRING
General instructions for all configurations:
Make sure the wall enclosure, fan, and DewStop are properly grounded (See FIGURE #1).

Make sure ground wire is securely fastened. Tighten all ground screws or wire nuts securely. Use the proper sized wire nut for #14 or #12 wire. Make sure to strip back the copper wire 5/8 inch and twist wire and nut clockwise.

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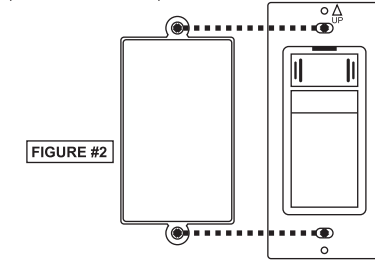
(D.) MOUNTING IN WALL ENCLOSURE

1. Attach wires (as shown in FIGURE #1).

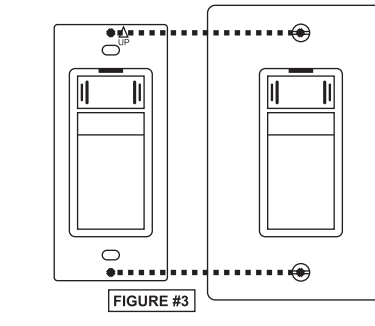


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2. Tuck wires into wall enclosure and fasten DewStop to the wall enclosure with the two screws provided (See FIGURE #2).



3. Attach the wall plate (See FIGURE #3).



5

COLORS:

- (c)0 (m)0 (y)0 (k)100
Black
- (c)0 (m)0 (y)0 (k)0
White

Paper Thickness: 0.06 mm

Description: FS-300 FS-3300 manual, English, front

Revision Date: 5-1-2014

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