OPERATION INSTRUCTIONS FOR THE DUCTSTAT® TEMPERATURE SENSITIVE SWITCHTM

READ AND SAVE THESE INSTRUCTIONS

IMPORTANT NOTICE

MODEL: DS100

With the use of any electrical appliance, it is important to observe all basic precautions to minimize the risk associated with use, such as electrical shock, fire, or injury to persons. Read these instructions before using your DuctStat® Temperature Sensitive SwitchTM If you have doubts or are unfamiliar with this type of installation work, seek the services of a qualified electrician.
Suncourt Inc. assumes no responsibility for installation of the DuctStat®.
For your safety and protection, follow all instructions and adhere to applicable building and/or electrical codes.
This unit is equipped with a three prong grounded plug. Do NOT attempt to defeat this feature of this plug. Defeating this will void the warranty.
Do not use in an attic or crawlspace.

NEVER EXPOSE YOUR DUCTSTAT TO TEMPERATURES OVER 140°F (60°C)

INSTALLATION NOTES

In order to prevent excessive stress on the mounting screws, support the DuctStat® when unplugging connected devices.
Do NOT use the DuctStat® outdoors or in damp locations. The DuctStat® must remain accessible.
The DuctStat® is intended to control the automatic On/Off operation of In-Line Duct Fans ™ installed in the ductwork of forced air distribution systems.
The DuctStat® can also control the line voltage to any electrical device with a maximum current draw of 5 Amperes.
The DuctStat® is equipped with an external, replaceable 5 AMP fuse to protect the electronic circuitry from overload or short circuits.

This device is designed to turn on and off from temperature rise and fall. The DuctStat® will turn on in HEAT mode when it senses temperature rise. The DuctStat® will turn on in COOL mode when it senses temperature fall.

INSTALLATION INSTRUCTIONS

1. Locate the position between the In-Line Duct Fan ™ and the register where you wish to mount the DuctStat®. Mount between 1 and 10 feet downstream from the In-Line Duct Fan ™.
2. Tape the template supplied with the DuctStat® to the air duct to mark the mounting holes to be drilled.
3. Drill a hole in the air duct for the Air Intake Hole shown on the template. This hole should be 1/2" in diameter.
4. Drill holes in the air duct to line up with the appropriate holes located on the template. On round ducts, two screws placed through the slots in the DuctStat®'s base will be adequate (placement shown on template). On square or rectangular ducts use four screws, one at each corner of the DuctStat® (placement shown on template).
5. Tighten the supplied screws snugly in the appropriate placement for your ductwork. DO NOT OVER TIGHTEN
6. Plug the device into the outlet on the face of the DuctStat®.
7. Plug the DuctStat® power cord into a 120 VAC grounded household outlet.
1. Follow Operation Settings to adjust the DuctStat®.

Function switch selections:
OFF to stop operation of the device.
ON for continuous running of device.
HEAT for automatic on with temperature rise.
COOL for automatic on with temperature drop.

The rotary knob selects the automatic on/off temperature setting for heating or cooling.

The Differential switch provides control over on/off cycling.

OPERATION SETTINGS

When switch is on "HEAT" the DuctStat® will turn ON as the temperature rises.

1. Perform Operation Settings in the environment in which the DuctStat® is being used. For use with forced air systems, make sure the blower is not running.
2. Plug in the DuctStat® and set the switch to OFF.
3. Set the Differential to 3°.
4. Plug the device you want to control into the DuctStat®.
5. Turn the knob clockwise until it stops. DO NOT FORCE.
6. Move the switch to ON. You should see/hear the device that is plugged into the DuctStat® turn on.
7. Turn the switch to HEAT. At this point the device plugged into the DuctStat® will turn off.
8. Slowly turn the knob counterclockwise, just until the device plugged into the DuctStat® turns ON.
9. Slowly turn the knob clockwise, just until the device plugged into the DuctStat® turns OFF.
10. The DuctStat® is now set to turn on when the temperature rises. If you would like the DuctStat® to have a wider range, simply switch the Differential to 7°. This will turn the device on and off with a larger on/off differential.

FOR HEATING

Position the Function switch to HEAT.

STEP 8
Turn counterclockwise until the device turns on.

STEP 9
Turn clockwise until the device turns off.

Function switch selections:
OFF: to stop operation of the device.
ON: for continuous running of device.
HEAT: for automatic on with temperature rise.
COOL: for automatic on with temperature drop.

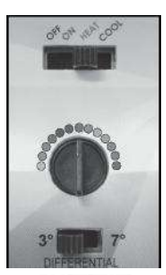
The rotary knob selects the automatic on/off temperature setting for heating or cooling.

The Differential switch provides control over on/off cycling.

Posiciones de fund& del interruptor:
OFF: para desactivar el dispositivo.
ON: para activar el dispostivo.
HEAT: pars activar automatica con elevacien de la temperature.
COOL: para activar automatica con desciende de la temperature.

El perilla rotatorio controla la automatica encendido y apagado para enfriamiento y calefaccion.

El "DIFFERENTIAL' controla la frecuencia del dispositivo de encendido y apagado.



Commutateur de function positionne:
OFF: Arret du dispositive.
ON: Fonctionnement continu du dispositive.
HEAT: Pour le demarrage automatique lorsque la temperature s'eleve
COOL: Pour le demarrage automatique lorsque la temperature descend.

Le bouton rotatif fixe la marche / arret automatique pour chauffage ou refroidissement.

Le "Differential" permet un controle pour marche / arret le cyclisme.

TEMPLATE

PLANTILLA

Air Intake Hole

Orificio de Acceso de

Trou D'arrivée D'air

Install screws here for round ducts.

Install screws here for square or rectangular ducts.
nstalar tornillos a aquí para conductos cuadrados ó rectangulares.
Installez les vis ici pour les conduits carrés ou rectangulaires.

When the switch is on "COOL" the DuctStat® will turn ON as it senses cooler air (temperature drop).

1. Perform Operation Settings in the environment in which the DuctStat® is being used. For use with forced air systems, make sure the blower is not running.
2. Plug in the DuctStat® and set the switch to OFF.
3. Set the Differential to 3°.
4. Plug the device you want to control into the DuctStat®.
5. Turn the knob counterclockwise until it stops. DO NOT FORCE.
6. Move the switch to ON. You should see/hear the device that is plugged into the DuctStat® turn on.
7. Turn the switch to COOL. At this point the device plugged into the DuctStat® will turn off.
8. Slowly turn the knob clockwise, until the device plugged into the DuctStat® turns ON.
9. Slowly turn the knob counterclockwise, until the device plugged into the DuctStat® turns OFF.
10. The DuctStat® is now set to turn on when the temperature drops. If you would like the DuctStat® to have a wider range, simply switch the Differential to 7°. This will turn the device on and off with a larger on/off differential.

FOR COOLING

Position the Function switch to COOL.
(Turns "ON" on temperature drop)

STEP 8
Turn clockwise until the device turns on.

STEP 9
Turn counterclockwise until the device turns off.

IMPORTANT NOTE

To shorten the length of time that your device continues to run after the warming or cooling air has shut off, rotate the knob control slightly further, as in Step 9.
Should you experience frequent On/Off cycling, move the Differential switch to the 7° position.

HEAT-COOL SETTING LOGIC

If you want the DuctStat® to turn a device on when the temperature rises above your set point you put it on HEAT. If you want the DuctStat® to turn a device on when the temperature drops below your set point you put it on COOL. The DuctStat® will deactivate when the temperature returns to your set point.

If you have questions or comments, please call us at 1-800-999-3267 or send an email to info@suncourt.com.

ONE YEAR LIMITED WARRANTY

Subject to the following limitations, Suncourt Inc. (manufacturer) warrants that the DuctStat® Temperature Sensitive SwitchTM will, for 1 (one) year from date of original retail purchase, but not exceeding 2 (two) years from date of manufacture, remain free from appearance of defects in workmanship or materials. This warranty is subject to the following limitations: (a) manufacturer's liability is limited to the replacement or repair of the DuctStat®, as decided by the manufacturer; (b) a defective DuctStat® must be returned, prepaid, with proof of purchase, well packaged to avoid damage in transit; and (c) this warranty does not apply to defects resulting from the alteration, abuse, accidental damage, unauthorized repair, or misuse of the DuctStat®. This warranty is given in lieu of all other warranties, guarantees, and conditions on manufacturer's part, and the manufacturer shall have no tortious or other liability in respect to this DuctStat® Temperature Sensitive SwitchTM. Ship unit to Suncourt Inc. only after obtaining a Return Goods Authorization (RGA) number. Returns without this RGA number will not be accepted.

Actual product appearance may differ from illustrations.

Suncourt reserves the right to modify any or all of its products' features, designs, components and specifications without notice.

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