

ACCUSTAT® Duct or Wall Mounting Low Voltage Limiters Energy Control

Description:

ACCUSTAT® Limiters wire in series with existing thermostats to prevent heating or cooling temps. from exceeding chosen limits. Snap-in ACCUTHERM® sensors, preset or adjustable, provide precise temperature limiting. Advantages include no-drift accuracy, energy savings of up to 50% or more, and very low cost.

Duct limiters (for forced air systems) sense return air temp. Wall mount limiters sense room air temp. With slight modification, limiters may be used as primary thermostats. Differential is 1.5° to 3°F depending on overall system. In some high velocity duct applications, differential may be smaller. Your selection of ACCUTHERM® temp. sensors will determine your setpoint and/or ranges.

Applications:

For apartments, condominiums, and commercial locations where thermostats are subject to temp. abuse, or where tenants do not pay utilities directly. Limiters allow some degree of temperature adjustment, yet prevent the energy waste caused by extreme thermostat temp. settings. Not recommended for use with heat pump systems.

Specifications:

ACCUTHERM Preset Sensors "S"- series

Accuracy: +/- .5°F
 Temp. Drift: Less than 0.1 per year
 Ambient Range: -20 to +110° F.

Preset sensors provide tamper-proof temp. control. Temp. settings cannot be changed because the sensors are preset. Standard temp. setpoints in stock are:
 35°, 37°, 39°, 40°, 45°, 50°, 55°, 60°, 62°, 64°, 65°, 66°, 68°, 70°, 72°, 74°, 75°, 76°, 78°, 80°, 82°, 84°, 86°, 88° F.

Other temp. settings are available on special order.



LIM-AH11



WLIM-H1

Adjustable AS-90 ACCUTHERM® Temperature Sensors:

Range: +40 to 90°F
 Ambient Range: -20 to +110° F
 Accuracy: +/-2.0° F
 Temp. Drift: < 0.25°F per year

These sensors provide greater flexibility in temperature selection. Simply readjust sensor knob for different setpoint.

Built-in Differential:

As installed in ACCUSTAT® thermostats, the ACCUTHERM® sensor is designed to yield a room differential of between 1.5° and 3°F.

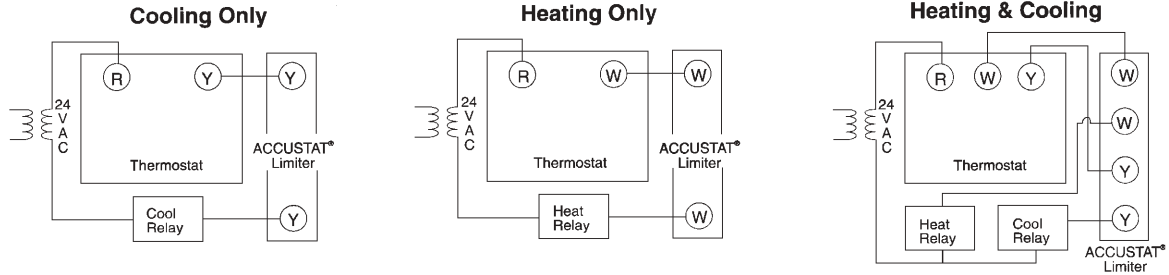
Models:

Model	Application	Sensors Required	Voltage/ Load
Duct Mount			
LIM-H1	HEAT ONLY	1	24-30VAC/1A
LIM-A1	COOL ONLY	1	24-30VAC/1A
LIM-AH11	HEAT/COOL	2	24-30VAC/1A
Wall Mount			
WLIM-H1	HEAT ONLY	1	24-30VAC/1A
WLIM-A1	COOL ONLY	1	24-30VAC/1A
WLIM-AH11	HEAT/COOL	2	24-30VAC/1A



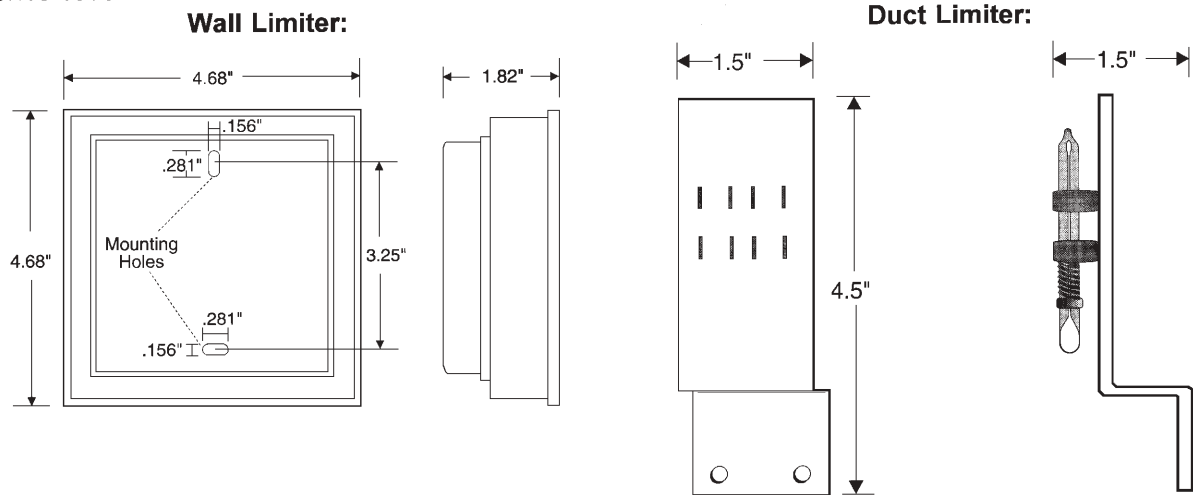
P.O. Box 157-Perkasie, PA 18944 - 215-257-3621 - Fax 215-257-4288
 Web site: www.psgcontrols.com — E-mail: sales@psgcontrols.com

Wiring Diagram:

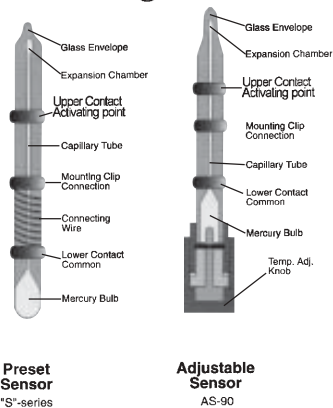


Limiters should not be used in series with another ACCUSTAT®. Voltage drop across 2 circuits may cause faulty/improper operation of relay/contact. With duct limiters, take care to insure that sensor setpoint provides the desired room temperature limit. Using an accurate thermometer, set existing thermostat at the desired temperature limit, then measure air temperature at limiter location. Thermometer reading will indicate correct sensor setpoint.

Dimensions:



Sensor Diagram:



How to Order:

Standard preset sensors:
Order Cat. No.: "S"- + (temp. setting)
Ex: S-72=72°F temp. sensor.

Adjustable mercury sensor:
Order Cat. No. AS-90

Order by model number. Duct limiters include vinyl preset sensor boots.

 **PSG** Controls, Inc.
Setting New Standards in Temperature Controls