

ACCŪSTAT LV Series line voltage Energy Controls with preset ACCŪTHERM[®] sensors

Description:

High efficiency solid-state Energy Controls for line voltage systems. Instead of the usual slow acting bimetal or gas bulb elements, snap-in preset mercury sensors are used for temperature sensing.

Advantages include greater accuracy, no temperature drift, and near "0" droop. Locking covers, along with the preset sensors, allow for a tamper-resistant design.

Models for either 120 or 220 volts and 1 or 5 amp load ratings are offered. Typical differential is from 1.5°F to 3°F, depending on overall system characteristics.

Applications:

Line voltage single stage heat and heat/cool applications, ventilating fans, baseboard heaters, fan/coil units, etc. Especially effective where thermostat tampering is a problem. The high accuracy and efficiency of these units makes them "automatic upgrades" for bimetal or gas bulb type line voltage thermostats.

Preset Sensors:

LV series Energy Controls use ACCŪTHERM[®] snap-in preset sensors. When room temp. reaches the sensor setpoint, a circuit closes, activating solid-state circuits within the case. These circuits turn heating and cooling relays on and off as required.

Preset sensors provide "total tamper-proof" temperature control. Because the sensors are factory preset, their settings can not be changed. Standard temperature setpoints are: 35°, 37°, 39°, 40°, 45°, 59°, 55°, 60°, 62°, 64°, 65°, 66°, 68°, 70°, 72°, 74°, 76°, 78°, 80°, 82°, 84°, 86°, 88°F. Other temperature setpoints are available on special order. Calibration accuracy is +/- 0.5°F.

How to Order:

Order by Energy Control model number. Includes case, cover, locking pin, key, and mounting screws. Order preset sensors separately. (i.e. Cat. No. S-72=72° temp. setpoint)

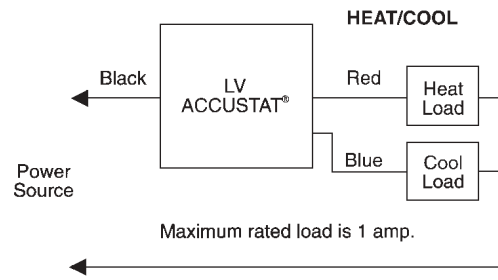


MODEL	Sensors	Stages	MAX LOAD		SWITCHES
Heat Only - 120VAC					
LV120-H1	1 preset	1Ht	1 Amp	Pilot Duty	Sys: OFF/ON
LV120B-H1	1 preset	1Ht	5 Amp	- -	Sys: OFF/ON
LV120-H2	2 preset	2Ht	1 Amp	Pilot Duty	Sys: OFF/ON; LO/Hi
LV120A-H1	1 preset	1Ht	20 Amp	- -	Sys: OFF/ON
220VAC					
LV220-H1	1 preset	1Ht	1 Amp	Pilot Duty	Sys: OFF/ON
LV220B-H1	1 preset	1Ht	5 Amp	- -	Sys: OFF/ON
LV220A-H1	1 preset	1Ht	20 Amp	- -	Sys: OFF/ON
Heat/Cool - 120VAC					
LV120-AH11	2 preset	1Ht/1Cl	1 Amp	Pilot Duty	Sys: OFF/ON; HT/CL
LV120B-AH11	2 preset	1Ht/1Cl	5 Amp	- -	Sys: OFF/ON; HT/CL
LV120B-AH22	2 preset	2Ht/2Cl	5 Amp	- -	Sys: OFF/ON; HT/CL/LO/Hi
220VAC					
LV220-AH11	2 preset	1Ht/1Cl	1 Amp	Pilot Duty	Sys: OFF/ON; HT/CL
LV220B-AH11	2 preset	1Ht/1Cl	5 Amp	- -	Sys: OFF/ON; HT/CL
LV220-AH22	4 preset	2Ht/2Cl	1 Amp	Pilot Duty	Sys: OFF/ON; HT/CL; LO/Hi
LV220B-AH22	4 preset	2Ht/2Cl	5 Amp	- -	Sys: OFF/ON; HT/CL; LO/Hi

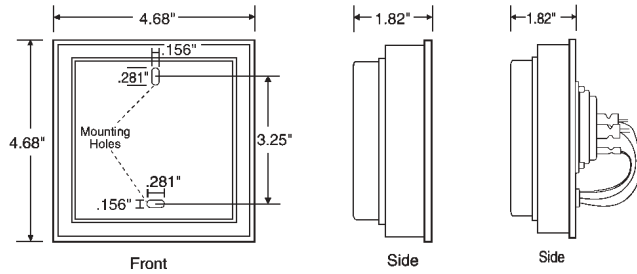
 **PSG** Controls, Inc.
Setting New Standards in Temperature Controls

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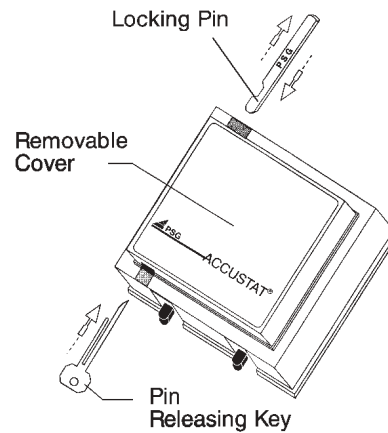
Wiring Diagram:



Dimensions:



Locking Cover:



Sample Specifications:

Thermostats shall be 120 or 220 volt heating or heating/cooling type, rated at either 1 or 5 amps, as specified. Temperature sensing shall be by means of hermetically sealed snap-in mercury sensors with present temperature settings. Sensor shall be actuated by the mercury column contacting internal platinum electrodes. Case shall be of molded plastic and have an integral locking cover.

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