



The single pole/single throw switch assembly features a bimetallic element that is rated 100,000 cycles at 5 VDC 20 mA resistive or in excess of 1,000,000 operations mechanically. This unit features a positive snap action, available in either normally closed, open on rising temperature or normally open, close on rising temperature.

The nickel-plated copper mounting bracket allows this device to be directly mounted to the heat sink to

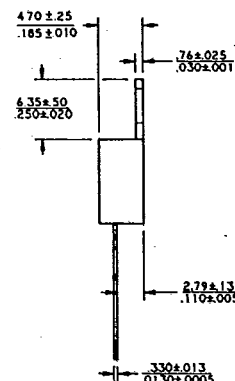
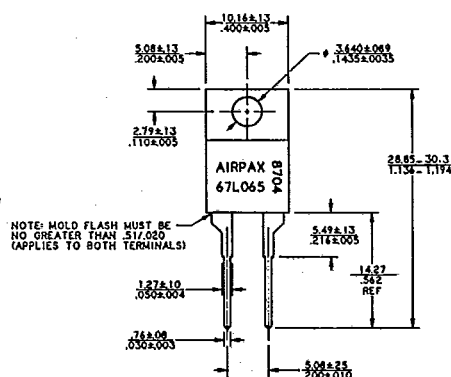
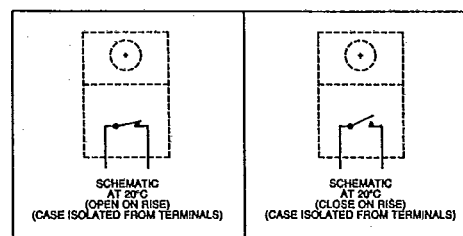
Typical uses include turning on an indicator light, sounding an audible alarm, switching on a control circuit to send a message to a display screen or even switching a circuit to shut down a system. Applications include computers and computer peripherals, aircraft, automotive, and test equipment.

Contact Ratings:

Contact Operations: Either open on rise or close on rise

Standard Operating Temperature Tolerance: $\pm 5^{\circ}\text{C}$ ($\pm 9^{\circ}\text{F}$) Nominal operating temperature settings in 5°C (9°F) increments

US Patent No: 4,795,997



6700 Series Thermostats

Short Term Exposure Limit:
260°C (500°F), 10 sec.

Long Term Exposure Limit:
-55°C (-67°F) to 160°C (320°F)

Dielectric Strength: 1480 VAC 60 Hz,
1 second terminals to case

Insulation Resistance: 100 Megohms
at 500 VDC

Contact Bounce - make: 3 ms max.

Weight: Approximately 0.5 grams

Seal: Epoxy sealed for wave soldering
and cleaning. Moisture proof per Airpax
Spec. S-722 (unit will not leak while
submerged in 9" of water for a minimum
of two minutes).

Vibration: Per Mil-Std-202,
Method 204D, Test Condition D,
10-2,000 Hz.

Shock: Per Mil-Std-202, Method 213,
Test Condition C, 100 G's, 6 milliseconds,
½ sine wave.

Humidity: Moisture resistant per
Mil-Std-202F, Method 106E.

Chemical Resistance: Unit is resistant
to water, salt, alcohol, ammonia,
trichlorethane, and most other organic
solvents.

Solderability: Terminal material is
selectively striped with 60/40 solder for
improved solderability.

Resistance to Soldering Heat:
Per Mil-Std-202F, Method 210A,
Test Condition E.

Mechanical Life: 1,000,000 operations.

UL & CSA File Numbers:
UL Recognized E36687
CSA Certified LR25561

Materials:

Seal: High temperature epoxy

Base: PPS (Polyphenylene Sulfide),
94 VO rated

Terminals: 65% Copper, 18% Nickel

Contacts: Gold-plated Silver cross bar

Bracket: Nickel-plated copper

6700 SERIES STANDARD CALIBRATIONS

OPERATE (±5°C)	RESET (MIN °C)	DIFFERENTIAL (MIN °C)
40	20	4
45	20	4
50	30	4
55	30	4
60	40	4
65	40	4
70	50	4
75	50	4
80	55	6
85	55	6
90	60	6
95	60	6
100	70	6
105	70	6
110	80	6

How to use this chart

Each thermostat Part Number consists of functional "building blocks" to enable the user to specify clearly and precisely the desired characteristics in each category. Select the proper Code in each category, then transfer it to the box indicated. Unless a special requirement is indicated, the Part Number will be complete when the proper temperature is selected. If you have a special requirement, please call Airpax for a factory assigned number to complete the Part Number.

Example: A 67F060 thermostat will close (make contact) on a rising temperature from 55°C to 65°C and will reset (break contact) on a falling temperature no less than 4°C lower than the actual close temperature and no lower than 40°C actual temperature.

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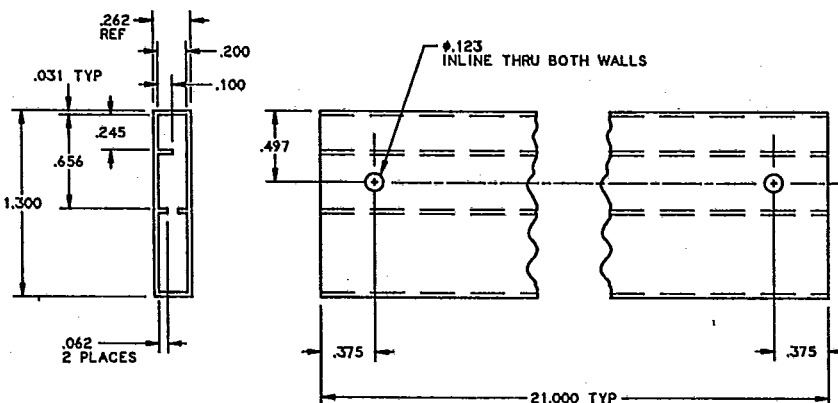
Contact Operation: _____

F = Fan (CLR)
L = Limit (OPR)

Operating Temperature _____
in Degrees C.

Factory Assigned _____
Number for Special
Requirements

Temperature set point calibration is checked at Airpax with precision test equipment and proven methods. Because customer checking methods may differ, a typical variance allowed for correlation is ±1 degree C.

[illegible]

Packaging: (standard)
All samples and production orders will be shipped in plastic, industry standard shipping tubes.

Information subject to change without notice.

AIRPAX

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