

AIRPAX™ 6600 & 6700 Series

General Description

- 8-pin DIP or TO-220 international package standard
- Ideal for surface and air sensing on PC boards
- RoHS compliant per EU directive 2002/95/EC
- Gold-plated contacts
- 30,000 life cycles @ max standard amperage
- 100,000 life cycles @ max gold contact amperage

Operating Switch Range

- 40°C to 130°C (104°F to 266°F)

Max Current and Voltage Rating

- Up to 0.5 amp at 48VDC
- 0.001 to 0.2 amp at 5VDC (gold contacts)

Approvals

- cRUus recognized
- VDE approved (upon request)



AIRPAX™ 5003 Series

General Description

- 1/2" button, environmentally sealed
- Ideal for applications where space is at a premium
- RoHS compliant per EU directive 2002/95/EC

Operating Switch Range

- 35°F to 325°F (2°C to 163°C)

Max Current and Voltage Rating

- 5 amp at 120VAC
- 3 amp at 240VAC / 24VDC
- 1.5 amp at 48VDC

Approvals

- cRUus recognized



AIRPAX™ 5004 Series

General Description

- 1/2" button, environmentally sealed
- Ideal for applications where high amperage switching is required
- RoHS compliant per EU directive 2002/95/EC

Operating Switch Range

- 35°F to 325°F (2°C to 163°C)

Max Current and Voltage Rating

- 15 amp at 120VAC
- 10 amp at 240VAC

Approvals

- cRUus recognized
- VDE approved



AIRPAX™ 4100 Series

General Description

- Brass construction, NEMA 4 & 13 (IP67), SPST
- Available as grounded or isolated case
- Ideal for industrial system applications in which low-cost and reliability is the priority
- RoHS compliant per EU directive 2002/95/EC

Operating Switch Range

- 40°C to 130°C (104°F to 266°F)

Max Current and Voltage Rating

- 1 amp at 120VAC & 48VDC, 30K cycles
- 3 amp at 28VDC, 5K cycles



AIRPAX™ 5011 Series

General Description

- 1/2" button, hermetically sealed package, SPST
- Ideal for surface and immersion sensing for industrial system applications in which construction must have a hermetic seal
- RoHS compliant per EU directive 2002/95/EC

Operating Switch Range

- 140°F to 480°F (60°C to 249°C)

Max Current and Voltage Rating

- 3 amp at 120VAC isolated case
- 3 amp at 32VDC grounded or isolated case



AIRPAX™ 5020 Series

General Description

- Grounded case, stainless steel, hermetically sealed, SPST
- Ideal for immersion sensing in industrial system applications in which construction must have a hermetic seal
- RoHS compliant per EU directive 2002/95/EC

Operating Switch Range

- 35°F to 480°F (2°C to 249°C)

Max Current and Voltage Rating

- 3 amp at 32VDC



AIRPAX™ 5100 Series

General Description

- Isolated case, stainless steel, hermetically sealed, SPST
- Ideal for immersion sensing in industrial system applications in which construction must have a hermetic seal
- RoHS compliant per EU directive 2002/95/EC

Operating Switch Range

- 35°F to 480°F (2°C to 249°C)

Max Current and Voltage Rating

- 5 amp at 120VAC
- 2.5 amp at 240VAC

Approvals

- cRUus recognized



KLIXON™ 3BT & 4BT Series

General Description

- Tiny Stat™ precision thermostat
- Single pole, single throw (SPST)
- Hermetically sealed and back-filled with nitrogen
- Gold-plated contacts available upon request
- 10,000 life cycles

Operating Switch Range

- 0°F to 350°F (-18°C to 177°C)

Max Current and Voltage Rating

- 1 amp at 115VAC & 30VDC
- 0.01 amp at 30mVAC & 30mVDC (gold contacts, min amps)
- 0.5 amp at 30VAC & 30VDC
- 0.2 amp at 115VAC (gold contacts, max amps)

Approvals

- 3BT: MIL-PRF-24236/19
- 4BT: MIL-PRF-24236/13



KLIXON™ 5BT Series

General Description

- ½" bimetal disc thermostat, hermetically sealed
- Single pole, double throw (SPDT)
- High resistance to shock and vibration

Operating Switch Range

- -65°F to 400°F (-54°C to 204°C)

Max Current and Voltage Rating

- 2 amp at 125VAC & 30VDC for 100,000 cycles
- 3 amp at 125VAC & 30VDC for 50,000 cycles

Approvals

- MIL-PRF-24236 /24



KLIXON™ M1, 11041 Series

General Description

- ½" bimetal disc thermostat, hermetically sealed
- Single pole, single throw (SPST)
- High resistance to shock and vibration

Operating Switch Range

- -65°F to 550°F (-54°C to 288°C)

Max Current and Voltage Rating

- 5 amp at 30VAC & 30VDC at 100,000 cycles
- 6 amp at 125VAC at 5,000 cycles
- Other amperages, voltage, cycles are available

Approvals

- MIL-PRF-24236/1



KLIXON™ M2 Series

General Description

- ½" bimetal disc thermostat, hermetically sealed
- Single pole, single throw (SPST)
- Low profile, narrow differential

Operating Switch Range

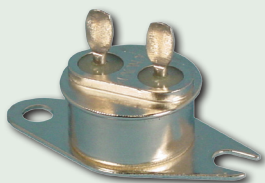
- 0°F to 300°F (-18°C to 149°C)

Max Current and Voltage Rating

- 2 amp at 120VAC & 30VDC at 250,000 cycles

Approvals

- MIL-PRF-24236/20
- S-311-641



KLIXON™ 4344 Series

General Description

- ½" bimetal disc thermostat, hermetically sealed
- Single pole, single throw (SPST)
- Many option available, including switch packaged into probe and strap mount options

Operating Switch Range

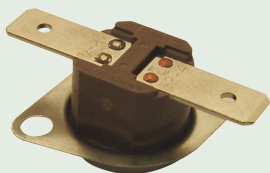
- -65°F to 550°F (-54°C to 288°C)

Max Current and Voltage Rating

- 7 amps, 30VAC/VDC at 5,000 cycles
- 3 amps, 125VAC at 50,000 cycles
- Other amperages, voltage, cycles are available

Approvals

- CUL recognized (#34618)



KLIXON™ 7BT2 Series

General Description

- Environmentally sealed, high capacity, ½" bimetal disc
- SPST, normally open or closed

Operating Switch Range

- 30°F to 400°F (-1°C to 204°C)

Max Current and Voltage Rating

- 10 amps, 120VAC / 240VAC up to 100,000 cycles
- 7 amps, 277VAC up to 100,000 cycles

Approvals

- UL & CUL recognized (#34618)



KLIXON™ 6786 Series

General Description

- Environmentally sealed, low-profile, ½" bimetal disc
- SPST, normally open or closed

Operating Switch Range

- -20°F to 350°F (-29°C to 177°C)

Max Current and Voltage Rating

- 7 amps, 30VAC/VDC at 5,000 cycles
- 3 amps, 125VAC at 50,000 cycles
- Other amperages, voltage, cycles are available

Approvals

- UL & CUL recognized (#34618)



KLIXON™ Probe Packages

General Description

- Extreme temperature probes (up to 550°F), fast response probes and narrow differential probes (2°F to 8°F reset differential) are available

Operating Switch Range

- Extreme temperature: -65°F to 550°F (-54°C to 288°C)
- Fast response: 0°F to 350°F (-18°C to 177°C)
- Narrow differential: 0°F to 275°F (-18°C to 135°C)

Max Current and Voltage Rating

- Extreme temperature: Up to 7 amps, various voltages
- Fast response: Up to 1 amp at 115VAC & 30VDC
- Narrow differential: Up to 2 amp at 125VAC & 30VDC

Approvals

- Extreme temperature, 28303 series only: UL / CUL recognized (#E34618)

AIRFLOW SENSORS

KLIXON™ Airflow Sensors

General Description

- Solid-state airflow sensors are designed to recognize loss or reduction of airflow in power supplies, data processing units, commercial and military electronic equipment
- Ideal for even the dirtiest of environments
- SPST or SPDT, normally open or closed

Operating Temperature Range

- 10°C to 50°C (50°F to 122°F)

Max Current and Voltage Rating

- 0.40 amp at 30VDC

Approvals

- Military
- Aerospace
- Commercial





BIMETAL THERMOSTAT + TEMPERATURE SENSOR

AIRPAX™ 6024 Series

General Description

- Stainless steel or brass, epoxy sealed, SPST
- Bimetal thermostat and temperature sensor in one package
- Ideal technology combination for industrial applications where engine ports are at a premium

Max Switch Current and Voltage Rating

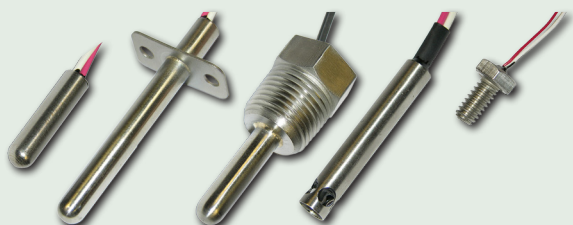
- 1 amp at 120VAC & 48VDC

Operating Switch Range

- 40°C to 120°C (104°F to 248°F)

Operating Sensor Range

- -40°C to 120°C (-40°F to 248°F)
- Additional sensor options available



TEMPERATURE SENSORS

AIRPAX™ 3000 Series

General Description

- Chose from standard stainless steel air, surface, and immersion sensor package configurations

Max Operating Sensor Range

- -40°C to 125°C (-40°F to 257°F)

Available Sensors

- Thermistors
- RTDs
- ICs



AIRPAX™ 5024 Series

General Description

- Customer specified package configurations for air, surface, and immersion sensing

Max Operating Sensor Range

- -50°C to 300°C (-58°F to 572°F)

Available Sensors

- Thermistors
- RTDs
- ICs