

# AIRPAX

# Sensing Products

## Quick Product Guide





## SENSING

Airpax's temperature, speed and position sensors help ensure your equipment operates safely and efficiently. Our temperature sensing technologies include bimetal disc thermostats, IC sensors, thermistors, and RTD's. Speed and position sensors employ both Hall effect and variable reluctance technologies.

This brochure displays our sensing capabilities. The standard temperature, speed, and position devices shown here are available in a multitude of configurations. We also manufacture custom parts designed for specific applications.

When your design team works with ours, we can meet virtually any application need. Contact us for all your sensing requirements.

### Speed and Position Sensors



#### 7024 Series

General description:

Output voltage:

Variable Reluctance and Hall Effect  
Integrated Circuit (IC)  
Stainless steel, brass and plastic packages  
Variable Reluctance: 0.7 Vp-p minimum  
Hall Effect IC: Square wave  
(open collector output)

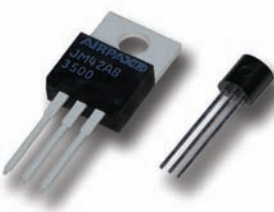
# Temperature Sensors



3000  
Series

General description: Thermistor, RTD, and Integrated Circuit (IC)  
Surface, air and immersion stainless steel standard packages

Max. operating range: -40°C to 125°C (-40°F to 257°F)



3500 & 3600  
Series

General description: Integrated Circuit (IC)  
Surface and air  
TO-220 and TO-92 standard packages

Operating range: 0°C to 100°C (32°F to 212°F)



3700  
Series

General description: Thermistor (NTC)  
Surface and air standard packages

Max. Operating range: -55°C to 155°C (-67°F to 311°F)



5024  
Series

General description: Thermistor, RTD and Integrated Circuit (IC)  
Surface, air and immersion custom packages

Max. Operating range: -50°C to 300°C (-58°F to 572°F)



6024  
Series

General description: Stainless steel or brass, epoxy sealed, SPST  
Thermostat and thermal sensor combo

Operating switch range: 40°C to 130°C (104°F to 266°F)  
Operating sensor range: -40°C to 120°C (-40°F to 248°F)  
Additional options available

Max. current & voltage: 1 amp, 120VAC, 48VDC (switch)

## Bimetal Thermostats

### Electronic Equipment Applications



**5003  
Series**

General description:  
Operating switch range:  
Agency approvals:  
Max. current & voltage:

1/2" button, environmentally sealed  
2°C to 163°C (35°F to 325°F)  
cRUus  
5 amp, 120VAC  
3 amp, 240VAC, 24VDC  
1.5 amp, 48VDC



**5004  
Series**

General description:  
Operating switch range:  
Agency approvals:  
Max. current & voltage:

1/2" button, environmentally sealed  
2°C to 163°C (35°F to 325°F)  
cRUus, VDE\*  
15 amp, 120VAC  
10 amp, 240VAC



**6500  
Series**

General description:  
Operating switch range:  
Max. current & voltage:

Modified TO-220, air sensing, SPST  
40°C to 130°C (104°F to 266°F)  
1 amp, 120VAC, 48VDC



**6600  
Series**

General description:  
Operating switch range:  
Agency approvals:  
Max. current & voltage:

8-pin DIP, air sensing, SPST  
40°C to 130°C (104°F to 266°F)  
cRUus, VDE  
1 amp, 120VAC, 48VDC



**6700  
Series**

General description:  
Operating switch range:  
Agency approvals:  
Max. current & voltage:

TO-220, surface / air sensing, SPST  
40°C to 130°C (104°F to 266°F)  
cRUus, VDE\*  
1 amp, 120VAC, 48VDC



**4100  
Series**

General description:  
Operating switch range:  
Max. current & voltage:

Brass, NEMA 4 & 13(IP67), SPST  
40°C to 130°C (104°F to 266°F)  
1 amp, 120VAC, 48 VDC, 30K cycles  
3 amp, 28VDC, 5K cycles  
Grounded / isolated case



**5011  
Series**

General description:  
Operating switch range:  
Max. current & voltage:

1/2" button, hermetically sealed, SPST  
60°C to 249°C (140°F to 480°F)  
3 amp, 120VAC, isolated case  
3 amp, 32VDC, grounded or isolated case



**5020  
Series**

General description:  
Operating switch range:  
Max. current & voltage:

Stainless steel, hermetically sealed, SPST  
2°C to 249°C (35°F to 480°F)  
3 amp, 32VDC, grounded case only



**5021  
Series**

General description:  
Operating switch range:  
Max. current & voltage:

Brass, epoxy sealed, SPST  
2°C to 163°C (35°F to 325°F)  
0.25 amp, 1amp at 28VDC  
Grounded case only



**5100  
Series**

General description:  
Operating switch range:  
Agency approvals:  
Max. current & voltage:

Stainless steel, hermetically sealed, SPST  
2°C to 249°C (35°F to 480°F)  
cRUus  
5 amp, 120VAC  
2.5 amp, 240VAC  
Isolated case only (two terminals)



**6024  
Series**

General description:  
Operating switch range:  
Operating sensor range:  
Max. current & voltage:

Stainless steel or brass, epoxy sealed, SPST  
Thermostat and thermal sensor combo  
40°C to 130°C (104°F to 266°F)  
-40°C to 120°C (-40°F to 248°F)  
Additional options available  
1 amp, 120VAC, 48VDC (switch)

### Industrial System Applications

\*VDE approval available through the PN selections on the:

6700 Series: add a "P"

5004 Series: add a "D", "E", or "F" terminal orientation



Airpax Corporation is a global supplier of products and systems that sense, protect and control equipment and processes. Our products accurately detect temperature, speed, or position of a device; provide protection against overcurrent conditions; and provide for the distribution and control of electrical power; and integrate monitoring, control data logging and remote access capabilities into one user-friendly system.

In addition to the sensing products shown here, Airpax provides thermal circuit protectors and hydraulic-magnetic circuit protectors and breakers, quick-action fuses, protected battery disconnects, modular distribution systems and intelligent multiplexed I/O modules and systems. Visit us at [www.airpax.net](http://www.airpax.net) to learn what we can do for you.

## Sensing

- Bimetal thermostats
- Temperature sensors
- Speed sensors
- Position sensors

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## Protection

- Circuit protectors and breakers
- Quick-action fuses
- Power switches
- Protected battery disconnects
- Modular distribution systems

Airpax Corporation  
807 Woods Road  
Cambridge, Maryland 21613 USA  
Tel: 410.228.4600 (Main)  
Tel: 410.228.1500 (Sales)  
Fax: 410.228.3456  
Email: [infohpp@airpax.net](mailto:infohpp@airpax.net)

## Control

- E-Plex Multiplexed Systems
- E-Plex Modules
- E-Logic Software

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**AIRPAX**  
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