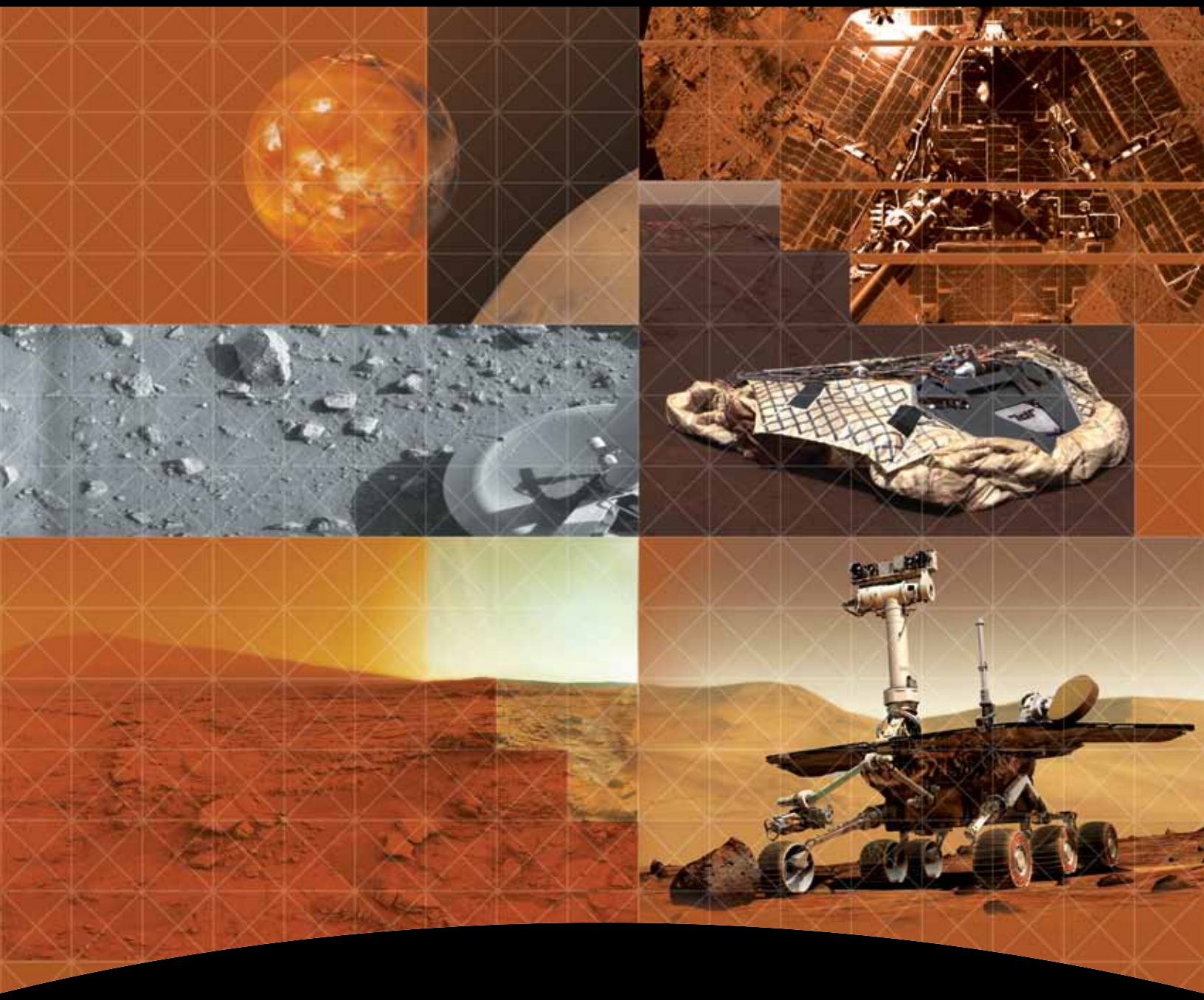
Thermal Switch Overview

Honeywell



The Evolution of the Honeywell Thermal Switch

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Industry Challenges

The industry needs high quality switches for use in aircraft, space, military and industrial applications in order to provide temperature control.

Honeywell's Response

Honeywell thermal switches provide temperature control that is simple, reliable and requires no power. These are often the best solution for critical and demanding applications.

Honeywell supplies thermal switches qualified to MIL-PRF-24236 and S-311-641. These specifications demand individual switch testing as well as periodic in-depth, full-life qualification testing. This level of rigor ensures each switch performs flawlessly across environments and time.

Thermal Switches Provide

Temperature control for applications needing reliable and precise temperature control including:

- Air Transport, Regional and Business aircraft
- Spacecraft, satellites, launch vehicles
- Helicopters
- Military vehicles

Thermal Switch Benefits

- Quality assurance via extensive individual and specification qualification testing
- Custom temperatures and configurations
- Factory product application and administration support

Why Honeywell?

- 50+ years of thermal switch technology development and supply
- Aerospace customer support, production and quality infrastructure
- Proven in hundreds of demanding applications
- Push-to-open design inherently robust to environments and failure modes

Our History

A thermal switch launched United Control Corporation. Its first product, a windshield temperature control thermal switch, remains in production. However, thermal switch materials, processing and testing have changed with the times, so despite continuous supply and use over decades, today's switches embody the best from continuous improvement and technology advancements.

Thermal Sensor history begins with wire wound nickel and/or copper alloys and advances to Thin Film Platinum Resistance Temperature Detectors.

Dates of Significance

- 1947: United Control Corporation was created by four Boeing engineers
- 1967: United Control Corporation was acquired by Sundstrand
- 1971: United Control Corporation name was changed to Sundstrand Data Control; Cage Code 97896
- 1993: Sundstrand Data Control was acquired by Allied Signal; Cage Code 0YFP0
- 2001: Allied Signal acquired Honeywell and changed its name to Honeywell

The concept of a "push-to-open" spring is the basis of the Honeywell Aerospace single pole, single throw Thermal Switch design. Today, applications are in the thousands: Turboprops to jet engines, B52 to B2, Redstone to Delta IV, Gemini to the Space Shuttle, Viking to classified defense satellites, Space Station to Mars Rovers.

Find out More

For more information about Honeywell's Thermal Switches and Sensors, visit **thermalswitch.com** or contact us at **ThermalSwitchesandSensors@honeywell.com**.

Honeywell Aerospace
1944 E Sky Harbor Circle
Phoenix, AZ 85034
aerospace.honeywell.com

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