

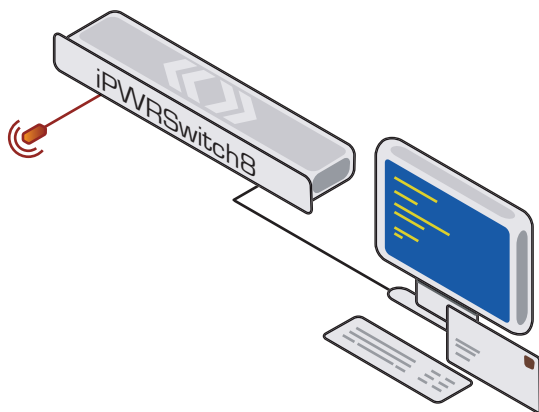
# Temperature Sensor Product Sheet

The temperature sensor is used to monitor the temperature to be sure that it does not exceed a high or low threshold.

It can be used to measure the temperature at one or different areas of the equipment room or the equipment itself. Possible applications are numerous and could include:

- Rack temperature at different locations in the rack.
- Server temperature to ensure that a server does not overheat.
- Heating and/or cooling temperature outlet pipes to detect if the heating or cooling systems are operational or stopped.

*“...Possible applications are numerous...”*



## Product features

- Measures temperatures from  $-10^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $+185^{\circ}\text{F}$ )
- $\pm 0.5^{\circ}\text{C}$  accuracy
- 9-bit thermometer resolution
- Unique id from factory
- User definable events
- Easy to install (RJ11 plug in)
- Quick to program (step by step wizard)

Automatic power off and power on commands can be programmed through the iPWRSwitch8 power management software depending on the defined thresholds.

The temperature sensor can also be used as a pre-failure warning tool. This is done by first identifying a baseline temperature value. When the sensor starts to stray from the baseline a calculation can be done to measure the impact on the monitored equipment. In conjunction with a baseline value using the power consumption monitoring feature a warning could be set to measure if a fan is broken or not functioning properly. The administrator will immediately be notified to correct a possible faulty fan inside the equipment.

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