



Isolated Temperature Probe Accessory

ISOTMP Model

Applications

This accessory adds temperature measurement via an external probe to certain load switches equipped with the Smartenit I2C socket. The temperature probe is automatically detected and included into the device thus seamlessly extending its functionality.

The accessory enables temperature measurement of several items such as:

- Electric water heater inlet pipe, outlet pipe or tank body
- Water circulating inlet or discharge side of pools and spas
- Temperature of the actual appliance surface
- Ambient around the item being controlled

In conjunction with application software such as the Smartenit app, the accessory extends the functionality of a load switch by allowing control based on temperature values.

Features and Benefits

- Extends functionality of a load switch by adding the temperature cluster to the Zigbee device. Temperature is then accessible with normal Zigbee messages over the automation network.
- Totally isolated so there is no risk of shock hazard. Temperature probe can be attached safely to metal surfaces.
- Does not negatively affect performance of load switch device.
- Low cost when compared to separate accessories.
- Easy to retrofit.



Electrical Specifications

Range	-20°C to +100°C
Accuracy	+/-0.5°C Accuracy from 10°C to +85°C
Voltage Input	+3.0V to +5.5V
Operating Current	5.0mA max.

Mechanical Specifications

Probe Size	Cylindrical shape of 1.25" Length X 0.25" Diameter (not including insulated portion).
Cable length	6'

Environmental Specifications

Storage Temperature	-55°C to +125°C
Humidity	5—100 %RH Condensing

