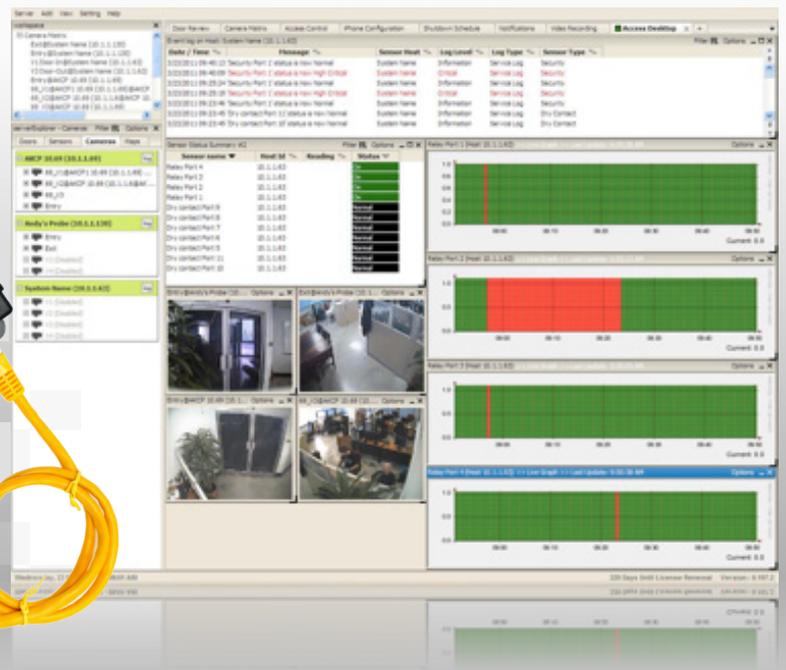# daisyTemp Sensor - DCT00

daisyTemp Sensor

The AKCP daisyTemp is a daisy-chainable temperature sensor solution designed for efficient temperature monitoring.

Up to 8 daisyTemp sensors can be linked together and plugged into one securityProbe Intelligent Sensor port enabling the unit to measure up to a maximum of 64 temperature points. The daisyTemp can measure temperatures between -55°C to +75°C with a ±0.5°C accuracy.

Collected temperature values can be used to trigger alerts like e-mail, SMS, phone calls and SNMP traps.

With the securityProbe unique mapping feature you can place these sensors on a map so you can quickly identify where you may have hotspots. Each temperature sensor has its own SNMP OID so that the data can be collected over the network using any Network Management System.

Each daisyTemp comes with a free 5 feet sensor cable. The sensor cables can be extended using Ethernet cable with a maximum daisy-chain length of 500 ft. The length between each of the temperature sensors can be any length as long as the total length of the string does not exceed 500 feet.

Monitor up to 64 separate temperatures or locations by connecting 8 daisyTemp temperature strings to each securityProbe 5E base unit, or E-Sensor8 expansion board RJ-45 sensor ports.

If your requirements include the humidity of your environment the daisyTemp strings will free up these extra ports on the securityProbe or securityProbe 5E units which will then allow the usage of an additional dual temperature/humidity sensor as required.

daisyTemp Sensor's Main Features

- **Daisy-chainable temperature sensors that includes a 5 ft CAT5 cable**
- **Comes in a 4 or 8 string combination.**
- **RJ-45 connection for easy and Simple installation**

- **Full autosense including disconnect alarm**
- **securityProbe units auto detects the presence of the daisyTemp strings**

Technical Specifications

Measurement range Celsius : -55°C to +75°C.

Measurement resolution Celsius : 0.5 °C increments.

Measurement accuracy Celsius : ±0.5°C accuracy from -10°C to +75°C.

Measurement range Fahrenheit : -67°F to +167°F.

Measurement resolution Fahrenheit : 0.9 °F increments.

Measurement accuracy Fahrenheit : ±0.9°F accuracy from +14°F to +167°F.

Communications cable : UTP CAT 5 wire.

Sensor type : semiconductor microprocessor controlled.

Power source : powered by the securityProbe. No additional power needed.

Power Consumption : Typical 10.70 mWatt , 2.14 mA

Measurement rate : one reading every second.

Up to 8 daisyTemp sensors per intelligent sensor port, 64 sensors per securityProbe or E-sensor8 Expansion module. (only compatible with the securityProbe and securityProbe 5E units).

Flexible cable length using standard CAT5e (extending between each of the 4 or 8 temperature sensors can be any length making the maximum 500 ft for the total daisy-chain).

Important to note : *The 4 or 8 temperature sensors must remain in their numbered order, be connected in the proper "in and out" ports and not mixed with different temperature strings.*

The OID for the daisyTemp is the same as Temperature Sensor OID:

.1.3.6.1.4.1.3854.1.2.2.1.19.33.<port>.2.1.3.<subport>

Note: *Please keep in mind that for the daisyTemp sensors, the port is starts at "1" not "0" but the sub port starts at "0" or "1" and will be up to your setting.*