Record Accurate Temperature Data

Compatible with all AKCP base units, this temeprature sensor will monitor for hotspots in your data center, inside your comptuer cabinet or at air inlets and exhausts.

Auto Sense

When the temperature sensor is plugged into the RJ-45 port of the AKCP base unit, it will be automatically detected and configured to display the correct values.

SNMP and Data Logging

Each Temperature sensor has it's own SNMP OID so that data can be collected over a network.External applications like MRTG can be used to draw graphs, and SNMP utilities can log data at 0.2°C resolution. A built in graphing option is included on all base units for graphing temperature variations over a period of time.
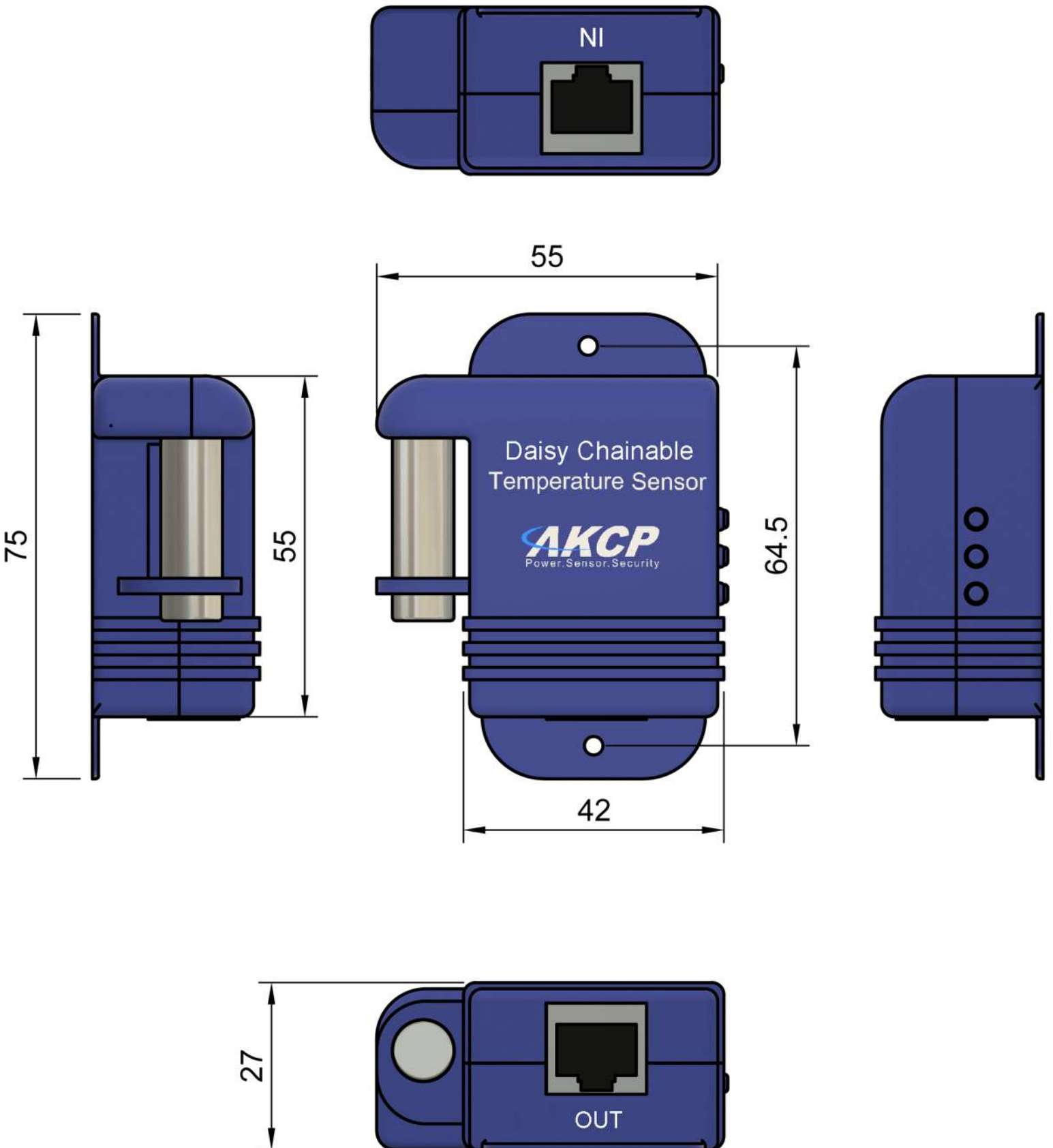
Calibration

AKCP's Temperature sensor is factory calibrated and arrive ready to use. However, you may find that there is a deviation of possibly +/-1°C for temperature. In this case you can off-set the deviation through the base units web itnerface using the "Reading Offset" feature. A calibration certificate can be provided upon request, please contact support@akcp.com.

Conductive metal tube protects the sensor while still allowing accurate temperature readings

Connect the sensor using CAT5 cable to your AKCP base unit. Use of good quality CAT5 will guarantee accurate readings with cable lengths up to 1,000 feet. Every TMP00 ships with a free 5ft CAT5 cable.

Technical Drawing

Technical Specifications

Temperature	
Never needs Calibration	
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.
OID temperature sensorProbeTempDegree	1.3.6.1.4.1.3854.1.2.2.1.16.1.3.X
OID temperature sensorProbeTempStatus	1.3.6.1.4.1.3854.1.2.2.1.16.1.4.X
OID humidity sensorProbeHumidityPercent	1.3.6.1.4.1.3854.1.2.2.1.17.1.3.X
OID humidity sensorProbeHumidityStatu	1.3.6.1.4.1.3854.1.2.2.1.17.1.4.X

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 di erent 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.