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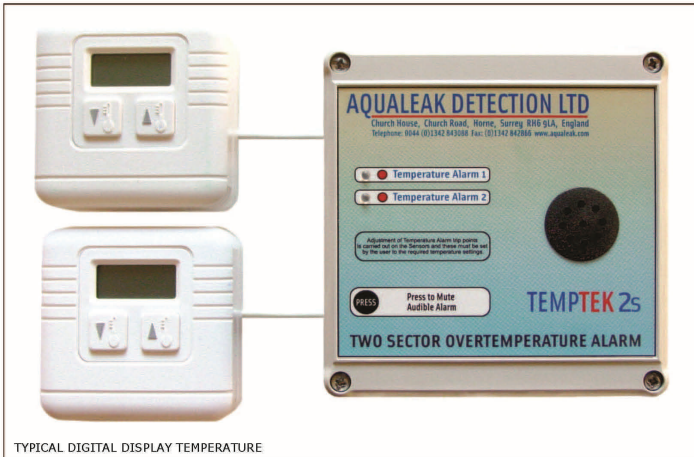
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OVERTEMPERATURE ALARM SYSTEM: TempTek



TYPICAL DIGITAL DISPLAY TEMPERATURE



TEMPTEK+1 is a simple and economical single Zone Overtemperature Alarm designed for Computer Rooms and other similar Technical Areas. The System comprises the Control Unit connected by a Signal Cable to a Temperature Sensor. The Control Unit comprises a white flush mounting front plate with all the controls which can be fitted to a standard UK electrical single gang back box. Alternatively, the Control Unit can be supplied complete with the back box. The TempTek+Plus is manufactured for either a 110 or 240V AC mains supply, 24V AC/DC, or 9VDC supply from the 'PP3' type of battery (not included). Power consumption is approximately 7mA on 'standby' and 30mA in 'alarm' with LED and relay energised. A 'No-Volt' output signalling relay is provided (rated 240VAC 2amp) with 'Normally Open/Closed' change-over contacts.

TEMPSWITCH was developed to monitor electrical appliances which could be damaged by rising temperatures. The TempSwitch twin gang housing would be connected to an existing power supply and if plug connected would require to be located adjacent to it. In one side of the housing is the TempTek and in the other a standard mains socket into which would be plugged the monitored item. When temperature alarm is detected by the Sensor, a mains rated 8amp relay would activate and automatically switch off the power supply. The TempTek self reactivates when the temperature returns to normal and automatically reactivates the power supply. The TempTek would be connected to the chosen type of Temperature Sensor, alternatively a Humidity Sensor.

TEMPTEK 4 is a range of Environmental Alarms designed for important areas such as Computer Rooms, Comms Rooms, Server Rooms, Plant Rooms etc and would be configured to the number and the types of alarms required. This could include multi-level or multi-zone Temperature and/or Humidity alarms: a TempTek 2 can provide a sector of Temperature and a sector of Humidity monitoring. TempTek2s can provide two stages of Overtemperature monitoring - perhaps alarm and shutdown.

The TempTek Controller can be located inside or remote to the monitored area and would be connected to the Sensors by Leader Cable. The Sensors can either be located together, connected by a common multicore Leader Cable, or for zonal alarms, would be located separately in different locations and connected separately. Cables can be supplied to length required. In cases where the Leader Cable route/length is not known precisely, the Leader Cable can be provided in bulk to be cut and terminated on site. If multiple Sensors are being used on any one sector then all Sensors must be connected in parallel.

Temperature Sensors can be of the 'tamper-resistant' type which provide an internal adjustment for the setting of the desired trip temperature or can be the adjustable powered Digital Temperature Readout Sensors which indicate the temperature at the location of the Sensor. Temperature Sensors are rated for temperature band of 0 to 35°C. Humidity monitoring would be from an adjustable Humidity Sensor rated for humidity band 30-100 %RH. Humidity Sensors do not provide a display.

Each zone of the TempTek is provided with local audible and visual alarms via zone LED Alarm Indicators, an internal Sounder and an external Mute Button. The



TYPICAL TAMPER-RESISTANT TEMPERATURE SENSOR



TYPICAL ADJUSTABLE HUMIDITY SENSOR

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