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1 and 2 Zone Room Over Temperature Alarm type RTA2-2



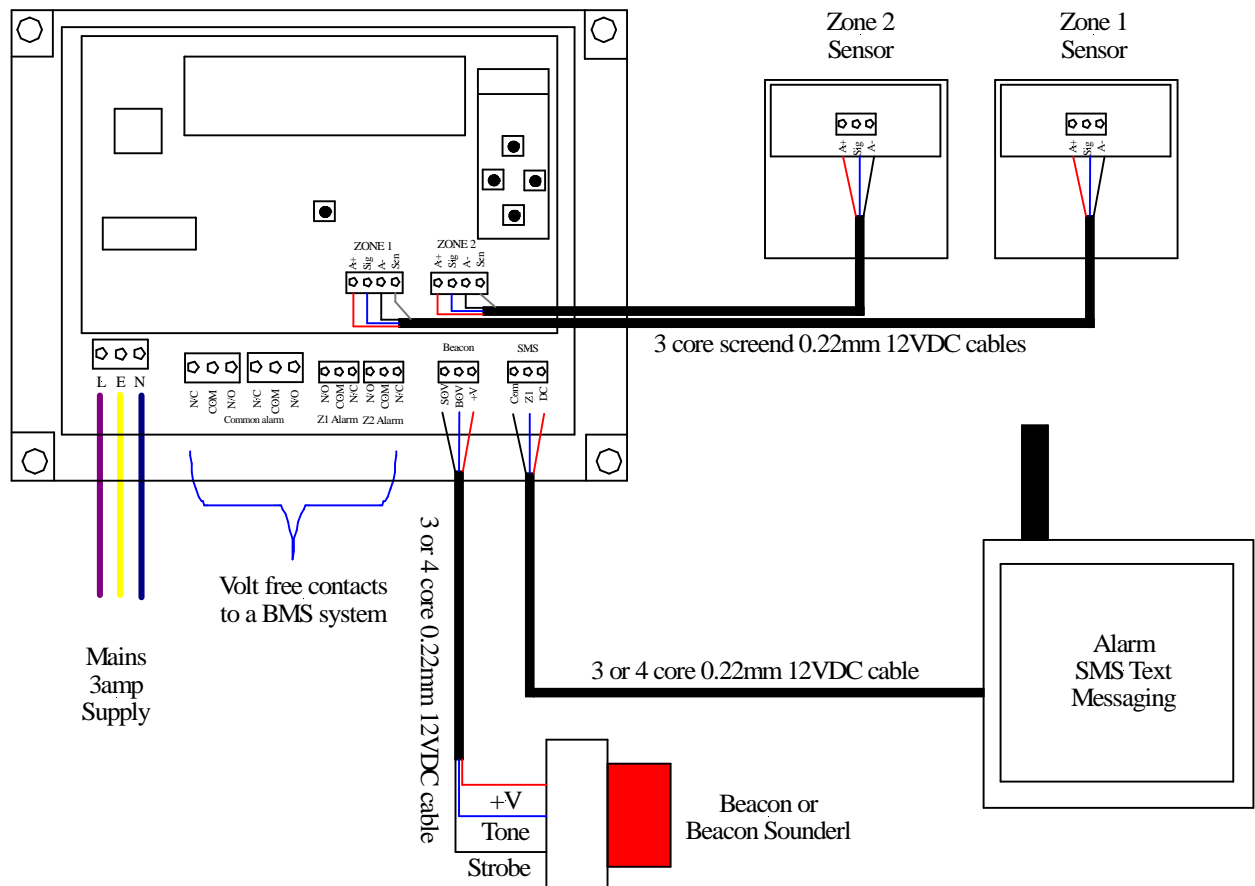
This unit has been designed to monitor critical areas such as server rooms, containers, generator rooms, UPS rooms, or cold rooms for over temperature due to faulty cooling plant or ventilation fan failure. The temperature in each area is monitored and compared to an alarm trigger setpoint that can be internally adjusted between 0 and 50°C for each zone. The current ambient temperature is displayed on the alpha numeric display along with the zone alarm status. When the room temperature exceeds the alarm setpoint, the display will flash showing the zone number, an internal audible warning will sound, the common alarm volt free contacts will change state, if fitted, the remote beacon/beacon sounder will start, and if fitted, the SMS text messaging/Email unit will send an alarm message via the mobile network. If power to the unit fails, the internal volt free “common Alarm” BMS contact will change state.

Standard Features

- * **The unit can be supplied as a 1 or 2 zone system**
- * **Remote temperature sensors up to 100m away from the main alarm unit**
- * **Large back lit alpha numeric display**
- * **Current ambient temperature display in each zone**
- * **Individual tamper proof temperature alarm adjustment for each zone from 0 to 50°C**
- * **Except for mains power, all terminals are of the plug and socket type**
- * **On board audible warning device to alert local operators of a problem**
- * **Alarms latched until Mute operated to give indication of temperature fluctuations**
- * **Two common alarm relay contact for onward signalling to a BMS or other systems**
- * **Mains Power monitoring via the Common alarm BMS contact**

Optional Equipment

- * **Individual zone alarm relay contacts for onward signal to a BMS**
- * **Common alarm output to a flashing Beacon**
- * **Common alarm output to a flashing Beacon and Mutable Sounder**
- * **SMS text messaging or Email**



Specification

| | |
|---------------------------------|--|
| Housing type | ABS Plastic |
| Colour | Light Grey |
| Size | 180mm wide x 130mm high x 60mm deep |
| Mounting | Wall |
| Cable access | Bottom/back |
| Monitored temperature range | 0 to 50°C |
| Maximum sensors per zone | 1 |
| Accuracy | 0.5°C plus or minus 1 digit |
| Maximum distance to sensor | 100 metres |
| Sensor cabling | Overall screened 0.22mm 3 core |
| Sound Output | 80db at 1 metre |
| Burden | <3VA |
| Input Voltage | 96- 265VAC 50/60 Hz |
| Alarm unit temperature range | -20 to + 70°C |
| Common alarm contact | DPCO 1A @ 230VAC volt free contacts |
| Alarm unit IP Rating | IP50 |
| Sensor IP rating | IP30 |
| | |
| <i>Optional</i> Beacon | IP67 high intensity Red Flashing LED |
| <i>Optional</i> Sounder | IP67 110db at 1 metre |
| <i>Optional</i> SMS text | Up to 50 numbers or email addresses using mobile network |

Continual development may result in products and specifications being changed without prior notice