



Specialist Control Panels HEATING & VENTILATION

1 UNIT DUTY & 1 UNIT STANDBY CONTROL

FEATURES

- Door interlocking isolator
- Indication for Panel Live, Alarm, Fire Alarm Operated and individual Duty and Fault indicators for each unit
- Fire alarm contacts for shutdown in fire situation
- Volt free common fault output
- Change over on unit fault
- Duty share every 100 hours
- Digital thermostat to show room temperature
- Audible alarm for unit fault and high temperature, with mute switch

INSTALLATION INSTRUCTIONS

The control panel is designed for wall mounting in a clean, dry environment where the ambient temperature does not exceed 30°C.

A space approximately 50mm should be left around the enclosure to allow for heat dissipation.

Fix the enclosure to the wall using proprietary fixings. Remove the gland plate then drill and gland for necessary cable entry and exits.

Replace the gland plate and wire panel in accordance with the wiring diagram.

All wiring must comply with current regulations and be in compliance with the Health and Safety at Work Act.

DESCRIPTION OF CONTROLS

Panel is designed to control two indoor units on a duty share basis, one unit running and one on standby. A unit will run for 100 hours, then change over to the second unit for 100 hours, and so on. If the duty unit sends a fault signal to the panel, the fault indicator lamp will illuminate and the panel will switch on the standby unit, the volt free fault contacts will make, the audible alarm will sound. The control panel is also designed to monitor the room temperature, if the room temperature rises above the set point (adjustable (see separate page)) both units will run, the volt free fault contacts will make, the audible alarm will sound, when the temperature drops below the set point the panel will go back to normal operation. The audible alarm can be turned off using the mute switch on the panel facia. The control panel is designed to be wired into the buildings fire alarm circuit, this will shut the units down in the case of a fire.

CONNECTIONS

- Indoor unit x 2
- Fire alarm circuit
- Room sensor
- Volt free fault contacts

LOOSE SUPPLY ITEMS

- Room sensor

RATINGS

Required supply: 2Amps 230V 50Hz

ENCLOSURE DETAILS

Dimensions: 300(w) x 400(h) x 150(d)mm

Finish: RAL 7035 textured

Cable entry: Top

Weatherproof: No

The information provided in the literature is believed to be accurate (subject to change without notice), however, use of such information shall be entirely at user's own risk.

ENQUIRIES

+44 (0)1258 480802

Sarum Electronics Ltd

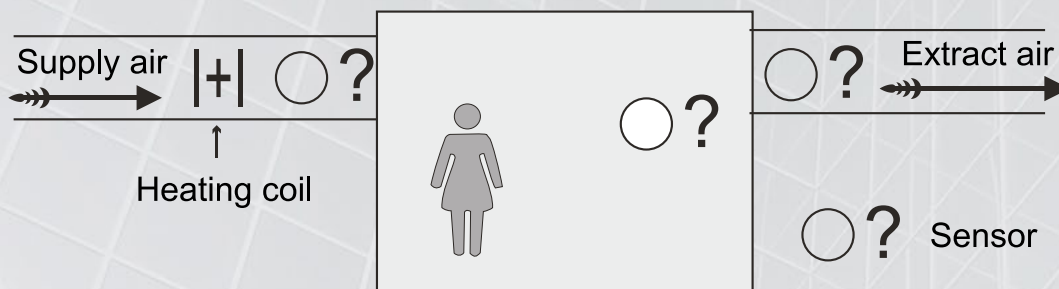
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Blandford Forum, Dorset, DT11 7TA

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1 UNIT DUTY & 1 UNIT STANDBY CONTROL

SENSOR POSITIONING

DUCT OR SENSOR ROOM



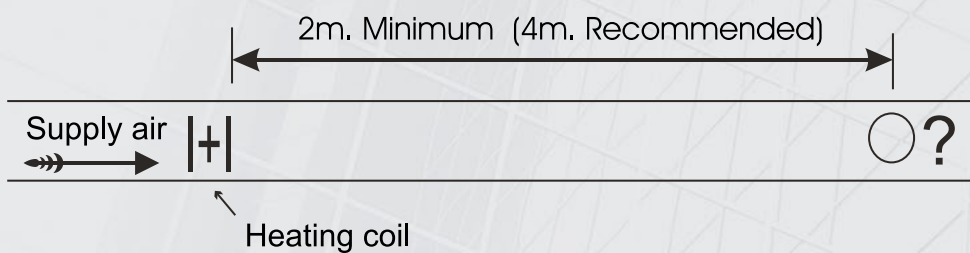
If the supply is for "make up" air, with background heating in the area being served, then a duct sensor should be used. The sensor must be mounted in the supply duct away from direct radiated heat.

The control panel will then maintain a constant duct air temperature by modulating the voltage feed to the heating valve.

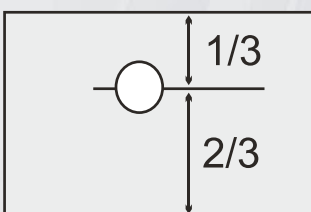
If the supply is for total area heating then a room sensor should be used. In some installations a duct sensor mounted in the extract / recirculation air duct may also be needed.

In this type of installation the system response time is very large and may cause the supply air to enter at very low or very high temperatures for some length of time. In some installations a duct sensor mounted in the extract or recirculation air may be used.

DUCT SENSOR



ROOM SENSOR



Position sensor away from direct sunlight, computers and other heat sources.

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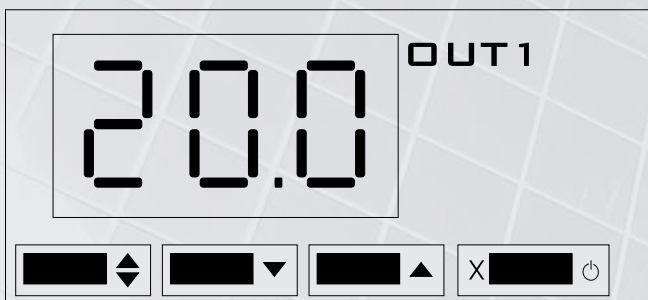
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1 UNIT DUTY & 1 UNIT STANDBY CONTROL

1 STAGE ELECTRONIC CONTROLLER



CHANGING THE SET POINT

To change the set point press and hold the  button to display the set point value.

Press and hold the  button whilst pressing either the  or  button to increase or decrease the set point until the desired value is shown on the display.

Release the  button and the new value is stored.

The X button has no function.

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