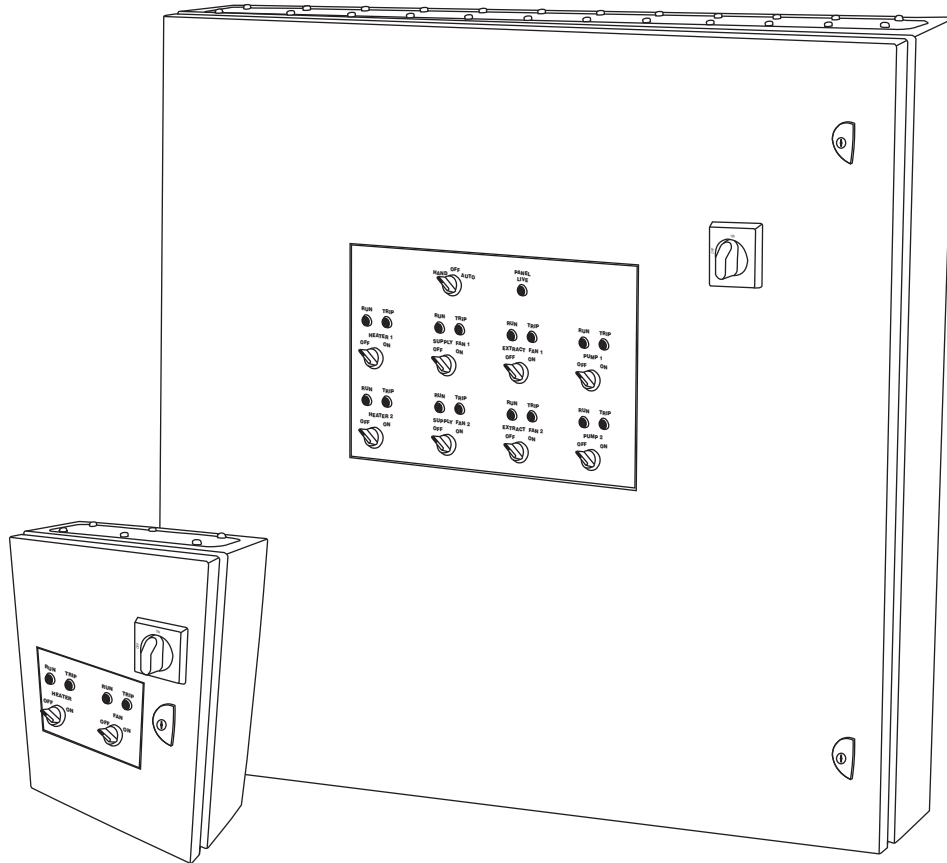


RBC-AC1

RUN & STANDBY CONTROL

DRAWING NUMBER R1956



IMAGES REPRESENTATIVE OF DIFFERENT CONTROL PANELS

IMPORTANT
PLEASE LEAVE THIS BOOK WITH THE CONTROL PANEL
IF YOU WOULD LIKE AN EXTRA COPY CONTACT YOUR SUPPLIER
WITH THE DRAWING NUMBER AND THEY WILL
EMAIL A PDF VERSION TO YOU

Features

- Door interlocking isolator.
- Indication for Panel Live, Fire Alarm Operated, Alarm 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 10 days.
- Digital thermostat to show room temperature.
- Audible alarm for unit fault and high temperature, with mute switch.
- Audible alarm test push button.

Connections

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

Loose supply items

- Room sensor
- CN61 Lead x 2
- SMTI Lead x 2

Description of controls

Panel is designed to control two indoor units on a duty share basis, each unit will run for 10 days, then change over to the standby unit. If a unit sends a fault signal to the panel, the fault indicator lamp will illuminate and the panel will switch to the standby unit and the volt free fault contacts will make. If the room temperature rises above 23°C (adjustable (see separate page)) the second unit will start to run and the common fault contacts will make, when the temperature drops below the set point the panel will go back to normal operation. If the temperature continues to rise, and goes above the second set point (factory set at 25°C) the audible alarm will sound (Mute switch on panel facia will override audible alarm) and the Alarm light will illuminate, when the temperature drops below the set point the panel will go back to normal operation. The Audible alarm can be tested by pressing the Alarm test push button on the panel facia, this will not effect the volt free common fault contacts. 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.

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.

Ratings

Required supply: 2Amps 230V 50Hz

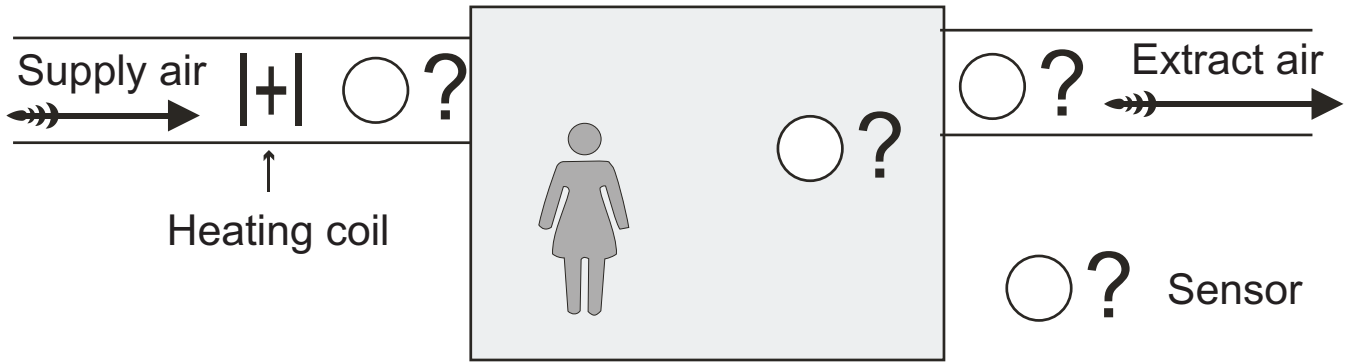
Enclosure details

Dimensions: 400(w) x 500(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 the information shall be entirely at the user's own risk.

SENSOR POSITIONING

Duct or Room Sensor



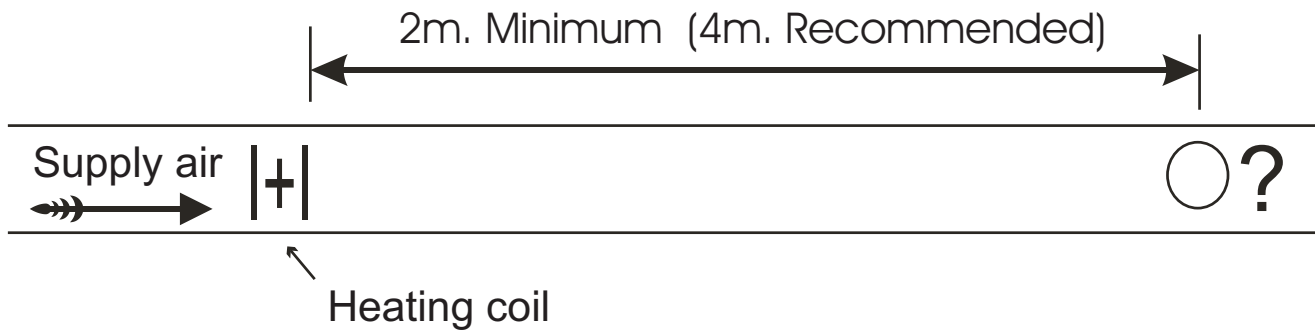
If the supply is for "make up" air, with background heating in the area being served, then a duct sensor should be used. The sensor must be mounted in the supply duct away from direct radiated heat.

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.

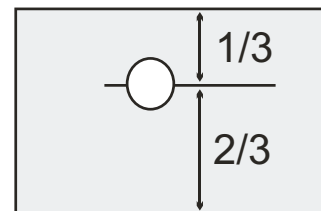
In this type of installation the system response time is very large and may cause the supply air to enter at very low or very high temperatures for some length of time. In some installations a duct sensor mounted in the extract or recirculation air may be used.

DUCT SENSOR



ROOM SENSOR

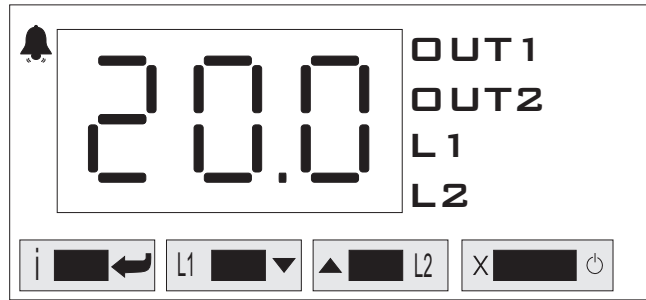
Position sensor away from direct sunlight, computers and other heat sources.



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

2 STAGE ELECTRONIC CONTROLLER

MODEL: ACI-5



Changing the set point

To change set point 1 press the  button to display the set point value of set point 1. L1 light will flash.

Press either the  to decrease the set point, or the  button to increase the set point, until the desired value is shown on the display.

Press the  button and the new value is stored.

To change set point 2 press the  button to display the set point value of set point 2. L2 light will flash.

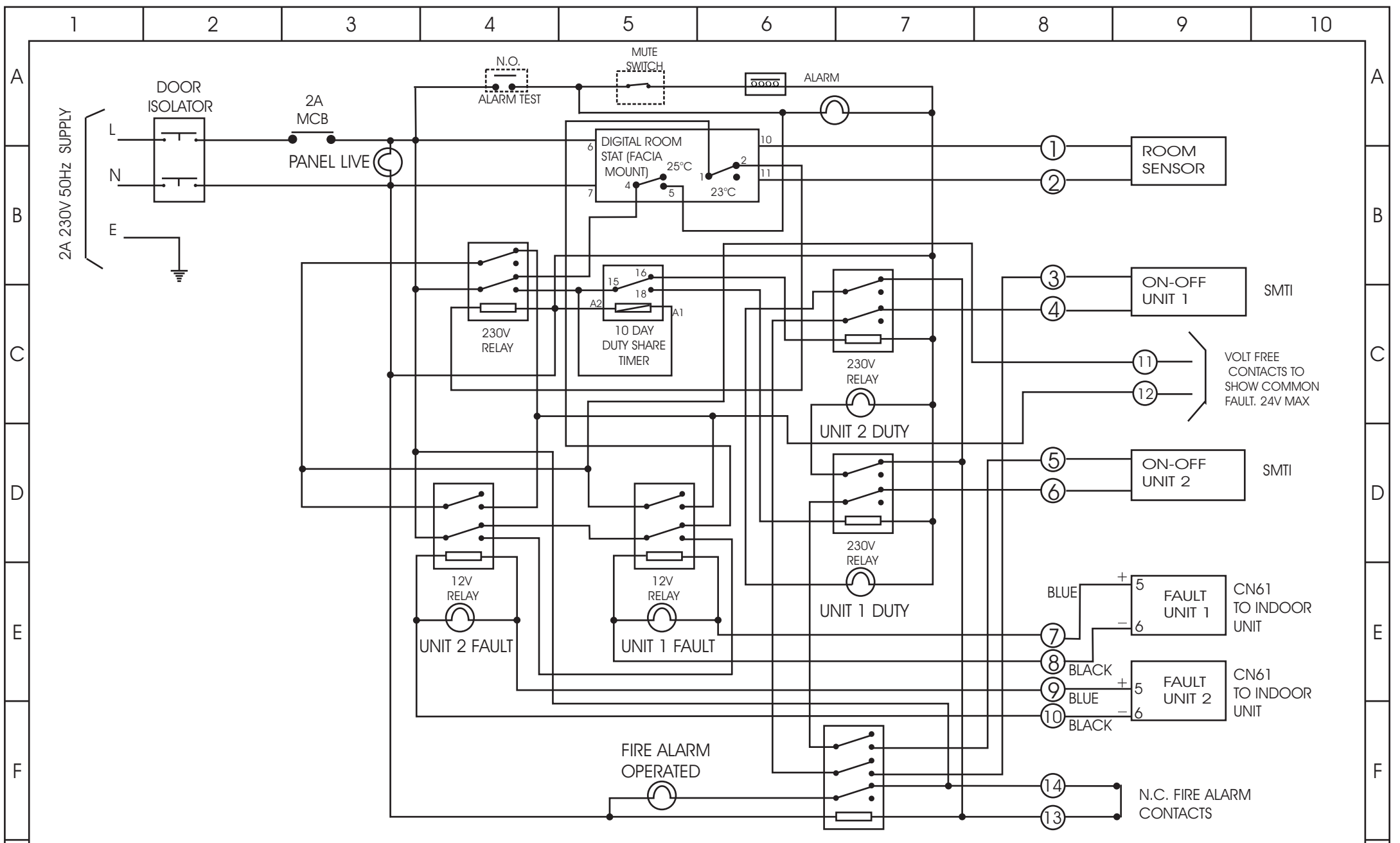
Press either the  to decrease the set point, or the  button to increase the set point, until the desired value is shown on the display.

Press the  button and the new value is stored.

The  button has no function.

Set Point 1 = High Temperature (23°C, Brings both units on)

Set Point 2 = Very High Temperature (25°C, Sounds Alarm)



DESCRIPTION			 Leading Innovation >>>	© Copyright 2012	TITLE	DRAWN BY	SCALE	DATE	PAGE	
				<small>No part of this document may be photocopied or otherwise reproduced without prior permission in writing of Sarum Electronics Ltd. Such written permission must also be obtained before any part of this document is stored in a retrieval system of whatever nature.</small>		S.CASTLE	NTS.	11/12/2012	1 OF 1	
						DRAWING No.		R1956		Issue 5
1	2	3	4	5	6	7	8	9	10	