Installation Instructions

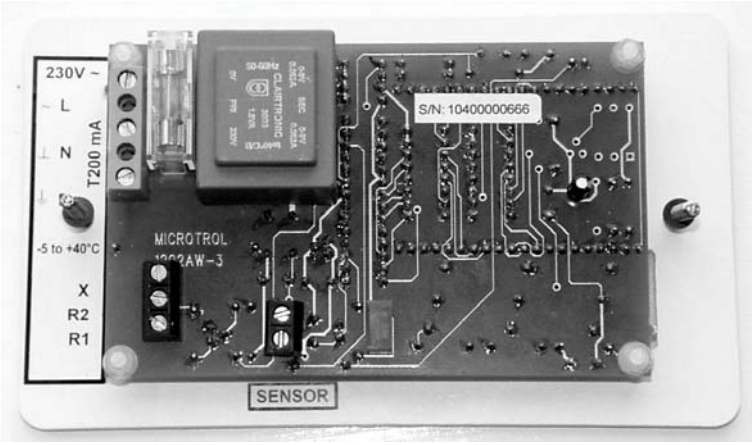
Procon

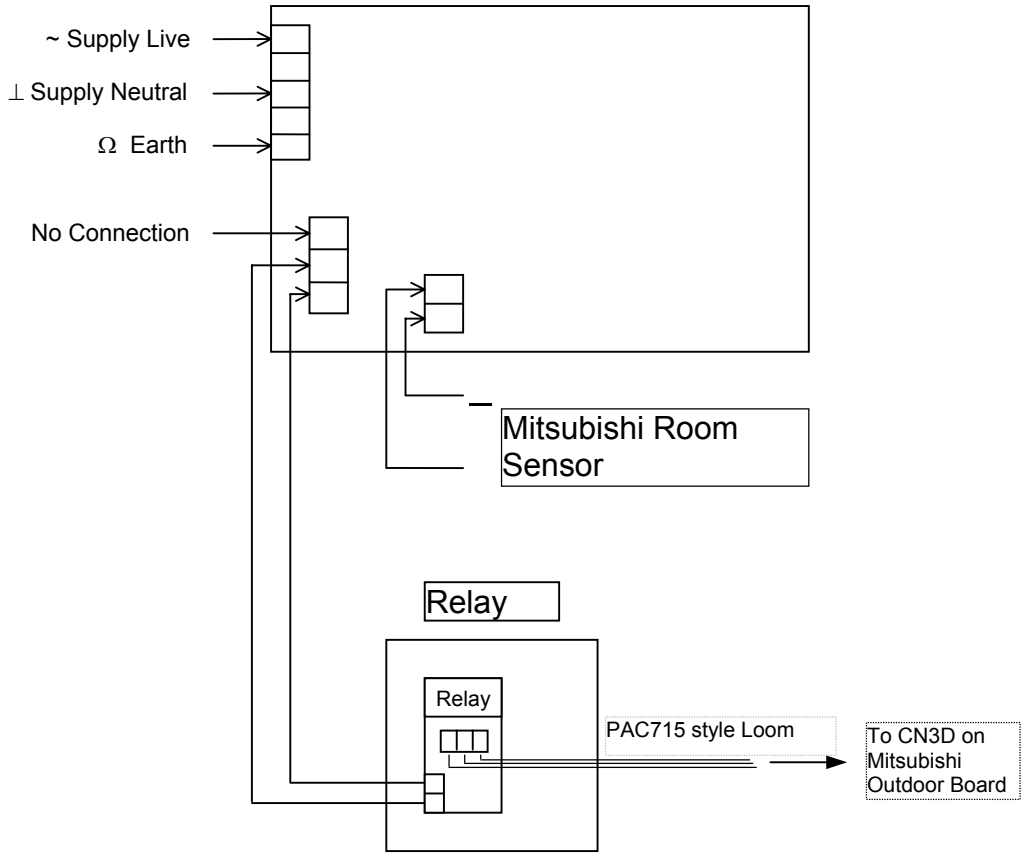
Y-ACO

2164-wir-1_2-0501

MITSUBISHI ELECTRIC (UK)

Fig 1. Wiring Diagram for Procon Y-ACO





Connection and Operating Instructions Procon Y-ACO

WARNING: High voltages are present inside the unit when power is connected.

All electrical work should be carried out by a competent person and wiring must be in accordance with the current national electrical installation regulations.

1) Connections (Refer to Fig 1)

The Procon Y-ACO unit has three connection points:

a) Supply:-

Connect a 230V a.c. supply to the terminals marked L N and E.

Live to 'L'
Neutral to 'N'
Earth to 'E'

THIS EQUIPMENT MUST BE EARTHED

b) Sensor:-

Connect a MITSUBISHI room sensor unit to the terminals marked 'SENSOR' (PAC-SE40TS-E)

c) Relay Drive:-

Connect terminals R1 and R2 to the remote relay unit attaching them to the two pin plug and socket connector on the relay unit.

The relay is energised in the 'cooling' mode.

The relay unit is supplied with a 3 wire PAC715 style lead attached. This lead should be connected to the remote heat/cool connector CN3D on the Y-series outdoor controller.

Operation:

The Y-ACO has three push buttons, a ‘cooling’ LED and an LCD display.

In normal operating mode the LED illuminates to show the ‘cooling’ mode and the display shows the set control temperature. The set temperature may be adjusted in the range 19 to 28 degrees C by pressing the up and down arrow keys.

Relay switching occurs in a band around the setpoint and the width of this band may be displayed by pressing the ‘F’ button.
Whilst the ‘F’ button is pressed the value of the band may be adjusted between 1.0 and 4.0 degrees C in 0.1 degree steps using the up and down arrow keys. The value is the deviation from the setpoint of each of the switching points. (i.e. Setpoint = 22, Band = 1.5 will give heat to cool switching at 23.5 and cool to heat switching at 20.5).

During normal operation the temperature of the room sensor may be displayed by pressing the up and down buttons together and holding them for approximately 5 seconds. After releasing the buttons the display continues to show the sensor temperature for a further 5 seconds.
Whilst the sensor temperature is being displayed the green ‘cooling’ LED flashes.

The unit may be disabled by pressing all three buttons and holding them for one second. The display will change to two flashing zeros to indicate that the unit is inactive. In this mode the output is locked in heating mode.

To re-activate the unit repeat the three button procedure. The display will initially show the switching band value and when the buttons are released it will revert to showing the set temperature.