

Specification Document
Room Control Unit

Product Description

The Passivent Room Control Unit provides a combined temperature sensor and override unit. This monitors internal temperature and operates the Passivent louvres accordingly, working in conjunction with Passivent controls systems. The unit is simple to use, with client override push buttons (open or close) with preset timed return to automatic control, after a pre-determined time (between 30minutes and 3hours). This feature is settable during commissioning. The Room Control Unit is available on Passivent's eC300 and iC5000/6000 controls systems.
A 24V AC/DC supply is required through a transformer housed within the Passivent control panel.
The unit consists of an 'open' and 'close' push button feature, and LED lights to display the selected mode.



Construction Details

All wiring and sizing must be in accordance with BS7671 IEE wiring regulations (latest version). Sensors should be earthed at the controller end only. Suitable cable is twin twisted pairs, with outer screen and plastic sheath. Maximum csa of the cable cores should not exceed 1.5mm, the maximum connector size. The Room Control Unit should be positioned and located as a normal room temperature sensor (above 1.5m FFL) and away from a direct source of heat. To meet sports hall guidance, the sensors can be mounted above 2.2m FFL.

Options

Ability to be connected to remote sensors.
Averaging of sensors is possible.
A wire link to the base plate determines whether the louvre is to be permanently positioned (link in) or if an inbuilt timer is to return the louvres to the auto position after a pre-determined time (link removed).

Sizes

84.5mm x 84.5mm (W x H), 25mm depth.
Wall mountable unit fits onto a standard single switch electrical box.

