

eC300 LOUVRE CONTROLLER SPECIFICATION DOCUMENT

Product Description:

The eC300 Louvre controller has been designed for automatic temperature control of Natural Ventilation Systems with local manual override. Typically controlling Passivent Aircool and Insulated louvre ranges. The ventilation opening is proportionately controlled as the room temperature changes. Typically, with a temperature set point of 20°C, and a proportional band of 4°C, the louvers will modulate from fully closed to fully open, between 20°C and 24°C.

Local room overrides with temperature sensor and Close / Auto / Open positions allow the occupant to manually override the unit, which returns to auto after a preset time, to save energy.

The controller also features a remote enable / disable function so all units can be forced to close via a remote signal, such as that from a BMS or local time switch.

Table showing Product Features:

Model Number	eC300 LOUVRE
Description	Automatic, Modulating room control based on internal temperature
Zones	1
Remote Disable close	Yes
CO ₂ Zones	N/A
Night Cooling	No
Temperature Set point Range	10 - 30°C (typ setting 20°C)
Proportional Band	0 - 10°C (typ setting 4°C)
Fan Control	No
Transformer Size (VA)	24 VA
Max No of Louvre Actuators	6
Manual Positioning Unit size (mm)	80(w) x 80(h) x 10(d) Flush 80(w) x 90(h) x 29(d) Surface
Panel Size (mm)	254(w) x 180(h) x 90(d)
Timed auto return closed	Yes (adjustable 30-180mins)
Outside Temp Ref	No
Heating Interlock	Yes (via remote disable close)
Fire Alarm Interlock	No
Window Actuator Control	No
Passivent Commissioning Required?	Yes



Local Room Override
(Surface Mounted)



Local Room Override
(Flush Mounted)

eC300 Features:

- Low voltage 24V operation, 0-10V signal.
- In-built internal temperature sensor in room override.
- Optional Remote Disable close feature
- LED feedback display of close / auto / open position, and touch sensitive button.
- In-built timer to return to automatic control after manual override.
- Can operate 6 Passivent Aircool or insulated louvre actuators.

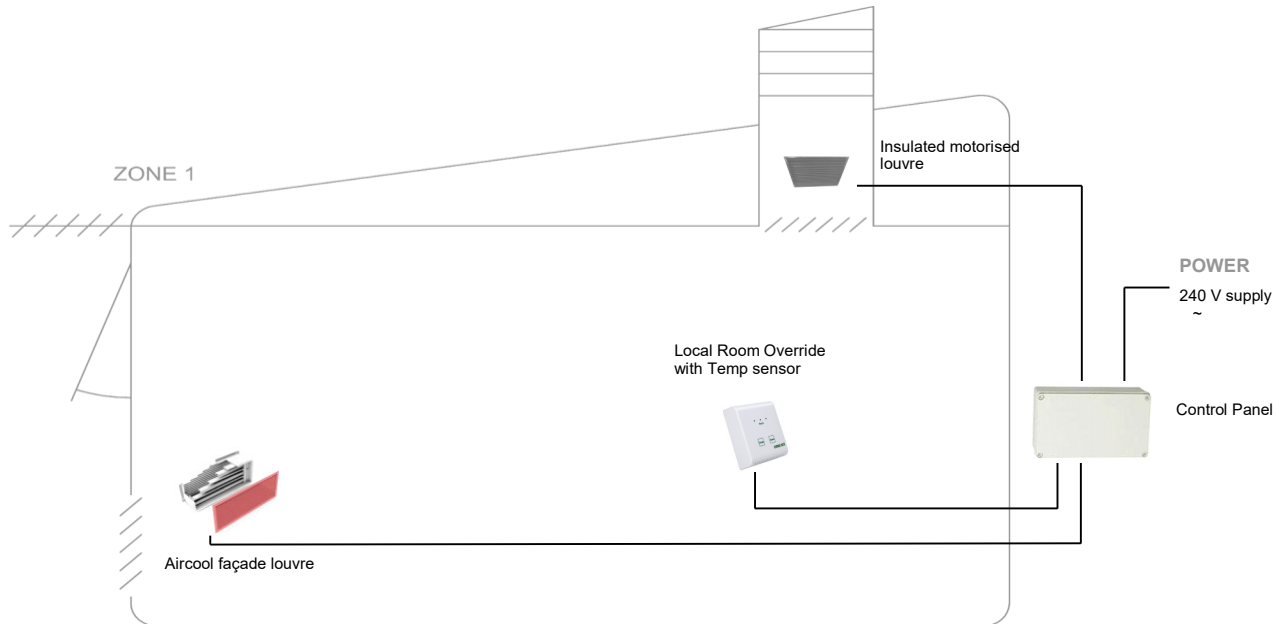
Information Update

PVCTI15 - Issue 1 - August 2018



Email: projects@passivent.com
Web: www.passivent.com
Tel: +44 (0)1732 850770

Typical eC300 Control System:



Product Description:

The eC300 provides a temperature operated 24V modulating louvre controller. Includes a close / auto / open manual selection and return to auto after a pre-set period.

Supplied with:

Local Room Override (with an in-built temperature sensor).

Control panel enclosure containing a temperature-based controller, 24V transformer, and wiring connection points.