WIRING NOTES (eC100 and eC300)

These notes are to be read in conjunction with the wiring diagram for the associated site.

1) All field wiring to be in twisted pair screened cable (see Cable Types below). Refer wiring diagram details for earthing the screen.
   These cables are low voltage signal cables and must be segregated from mains or high voltage cables and electrical apparatus.
   The cable should not be run adjacent to or within close proximity to ballast lighting or any main electrical apparatus that emits electrical RF noise.
   Max cable length up to 50m (excluding Window Actuators), which must be confirmed by Electrical Consultant
2) Field wiring screen to be earthed at controller end only. All cables to be continuous in length with no joints / connections.
3) A 240V 5 amp switch spur to be supplied and fitted (by others) adjacent to the controller.
4) The zonal field wiring to the louvre actuators is looped in at each location to the next damper. Please ensure polarity of supplies is maintained at all locations.
5) The zonal field wiring to the louvre actuators is looped in at each location to the next damper. Please ensure polarity of supplies is maintained at all locations.
6) The location of the sensors and override units is to be agreed for each installation. Sensors should mounted at approximately 1.5/1.7m above finished floor level. Away from heat sources i.e. radiators, PC's and out of direct sunlight/ventilation draughts etc.
7) The control panel should be located in an accessible location (such as store room, cupboard) to provide access for wiring, commissioning (where required) and maintenance. Mount the controller witht eh back vertically to the wall.
8) It is the installer's responsibility to ensure all wiring meets the prevailing electrical regulations.

CABLE TYPES

From control panels to field items
- Room Sensors and Local Room Override(s)
  6-core (3 twisted pair) screened cable. Typical size 0.33mm2, Belden 8777.
- Ventilators (and some overrides)
  4-core (2 twisted pair) screened cable, Typical size 0.33mm2, Belden 8723.
- Remote connection
  2-core (Single twisted pair) screened cable, Typical size 0.33mm2, Belden 8761.

DO NOT USE Bell wire, Cat 5, Single cables, T&E, MICC (Pyro) or SWA for sensors or actuators.

The above cables pairs have been recommended for standardisation. In some applications the pairs maybe reduced. Refer component wiring diagrams for details.

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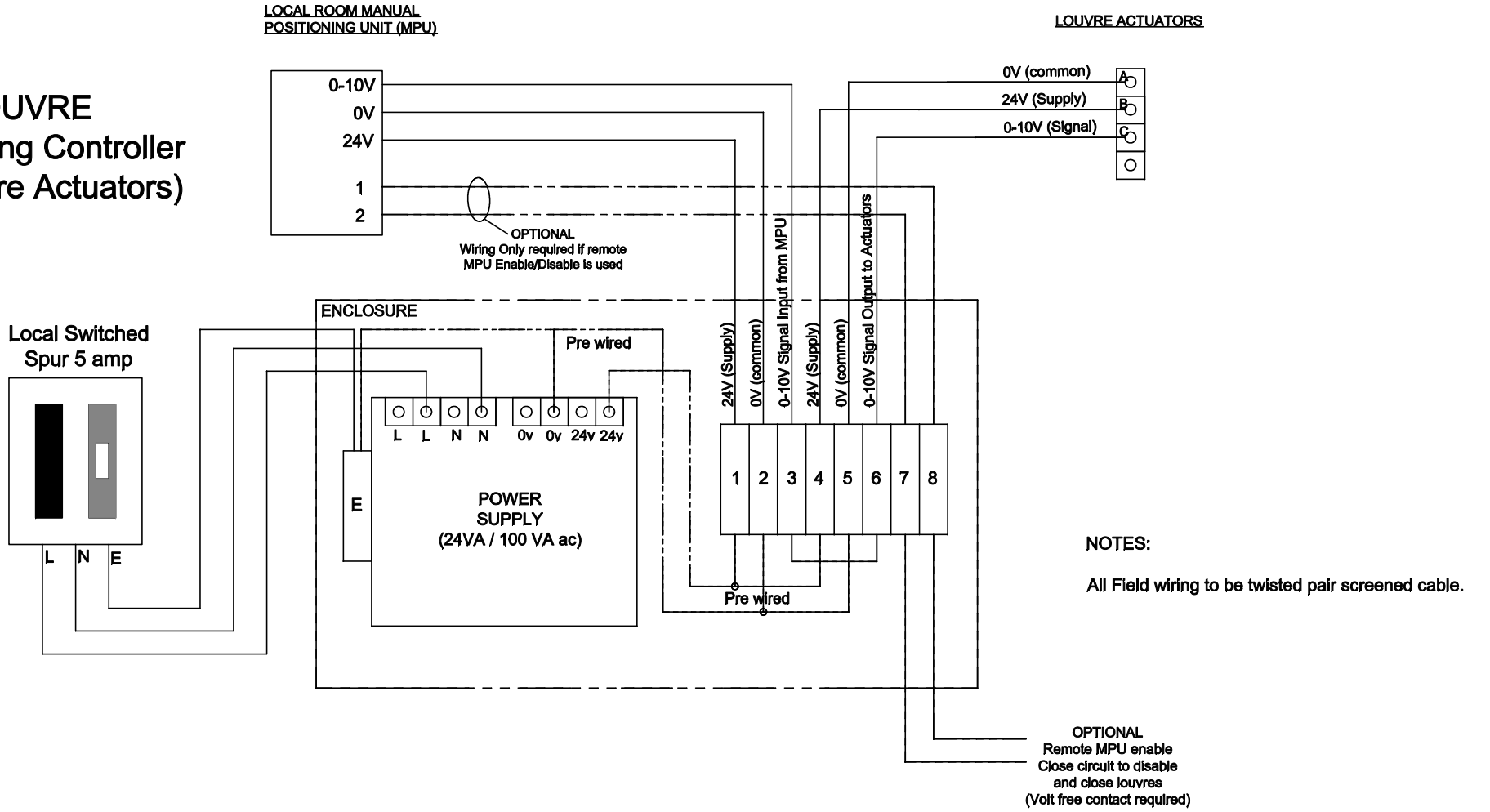
WWW.PASSIVENT.COM
EMAIL: PROJECTS@PASSIVENT.COM
TELEPHONE : 01732 850 770
FAX : 01732 850 949

DO NOT SCALE : REPORT ALL ERRORS

PROJECT	Standard Drawings
DRAWING	eC Controller Notes
SCALE NTS	DRAWN JH
DATE 12.12.18	MOD.
DRAWING No.	PVC001/041/WD SHEET1

ALL DIMENSIONS IN MILLIMETRES unless indicated on drawing.

eC100 LOUVRE
Manual Positioning Controller
(Operating Louvre Actuators)



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DO NOT SCALE : REPORT ALL ERRORS

PROJECT	Standard Drawings
DRAWING	eC100 Louvre Diagrams

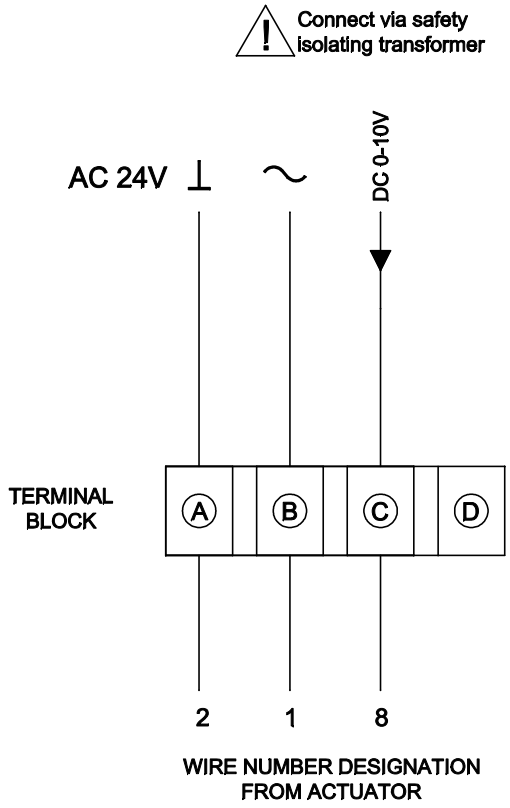
SCALE	NTS	DRAWN	JH
DATE	12.12.18	MOD.	
DRAWING No.	PVC001/041/WD SHEET2		

ALL DIMENSIONS IN MILLIMETRES unless indicated on drawing.

LOUVRE CONNECTIONS

(Actuators)

(Siemens Actuators)



NOTES:

- Installation must be in accordance with BS7671-IEE Wiring Regulations (latest revision).

- The DC 0 -10V signal into terminal C is to be derived from the controller.

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DO NOT SCALE : REPORT ALL ERRORS

PROJECT	Standard Drawing
DRAWING	eC Wiring Diagrams
SCALE NTS	DRAWN JH
DATE 12.12.18	MOD.
DRAWING No.	PVC001/041/WD SHEET3

ALL DIMENSIONS IN MILLIMETRES unless indicated on drawing.