

EM Standard Single Zone Control Panel



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MAICO



Introduction

The EM standard panel range is designed to offer simplified control and monitoring of motorised fire and smoke dampers as a hardwired system.

Actuator power is generated directly from the EM panel and is wired individually to each damper. Damper status indication is achieved from the actuator volt free contacts and also individually wired to the EM panel for display via tricolour LEDs.

Zone control can be achieved in groups of 10 dampers on EM20 and over.

Each EM panel comes complete with an IP55 rated enclosure (RAL 7035) with key switch mains isolator, fireman's override and BMS output.

EM Standard Panel Features

- Key switch mains isolator
- Key switch Fireman's override (test/normal/override)
- 24 or 230 volt power supply for dampers
- Load switching contactor
- Lamp test facility
- Reset/released tri colour LED indicators
- Power on LED indicator
- Fire panel normal LED indicator
- Override on LED indicator
- Fire alarm Interface Connections (VFC)
- BMS Common Fault Connections (VFC)

Please Note

Additional features cannot be added to the EM Standard range of panels and individual damper control is not possible. Please refer to the BSB Premier or ACP Addressable systems.

Panel Ordering Codes

Panel	Max. Quantity of Dampers Controlled
EM5	5
EM10	10
EM20	20
EM30	30
EM40	40
EM50	50

Actuator Voltage

The voltage of the actuators to be controlled must be stated at point of order, i.e. 24 volts AC/DC or 230 volts AC.

Panel Voltage

The panel supply voltage is 230 volts AC, regardless of the actuator voltage.

Cable Specification

The type of cable required will depend on site requirements, but 2 cores for power and 3 cores for status indication is required. The recommended cable size is 1.5mm² to 2.5mm²

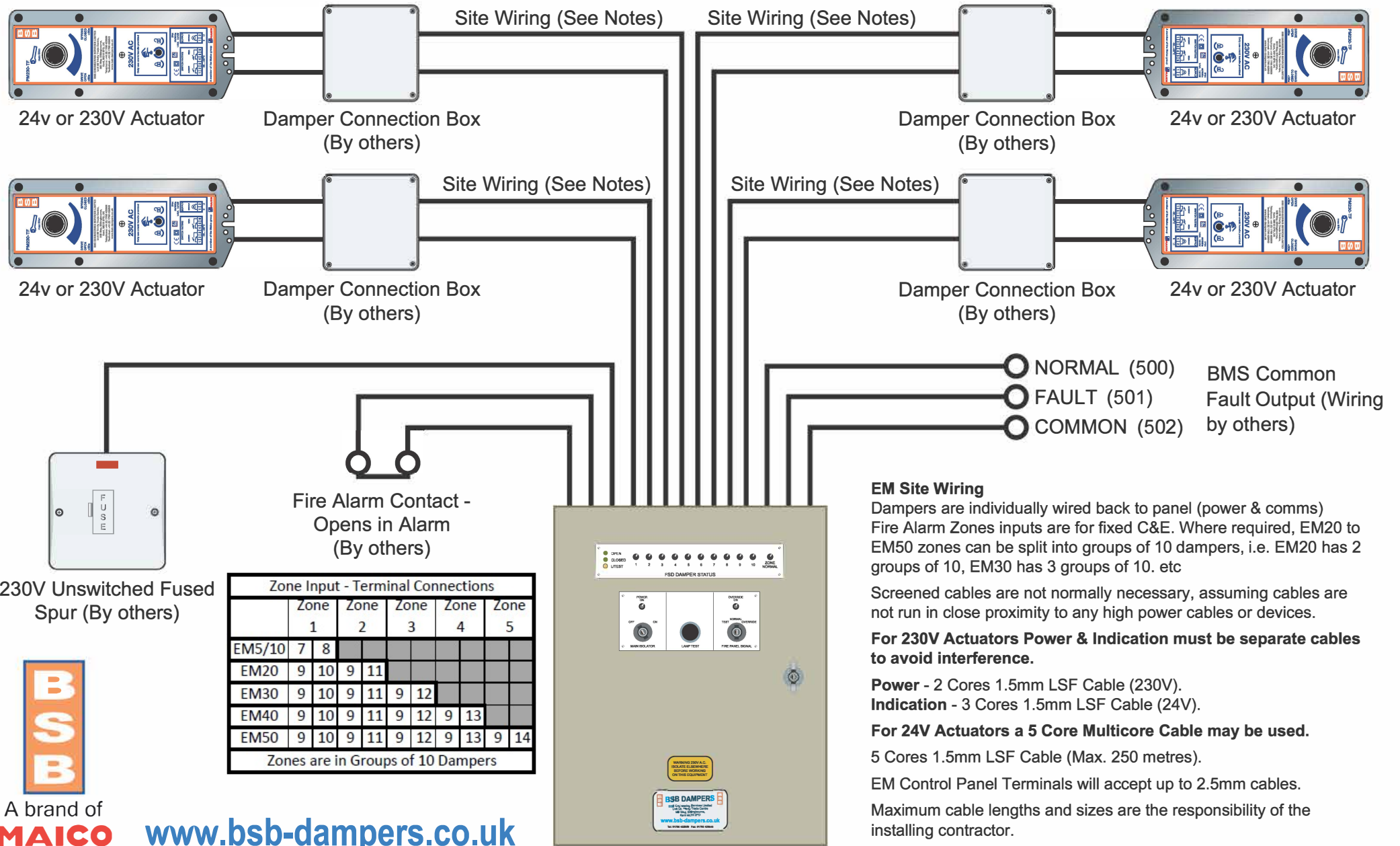
Maximum Panel Load (Amps)

Panel	Actuator Voltage	
	24 AC/DC	230 AC
EM5	0.65	0.51
EM10	3.5	2
EM20	5.5	4.5
EM30	9.5	5.06
EM40	13.5	5.58
EM50	15.5	8.1

Enclosure Details

Panel	Enclosure Size (mm)	Weight (Kg)
EM5	400Hx400Wx200D	16
EM10	500Hx400Wx200D	19
EM20	600Hx500Wx250D	28
EM30	600Hx600Wx200D	36
EM40	800Hx600Wx200D	48
EM50	800Hx800Wx250D	60

TYPICAL ELECTRO MECHANICAL PANEL WIRING



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www.bsb-dampers.co.uk