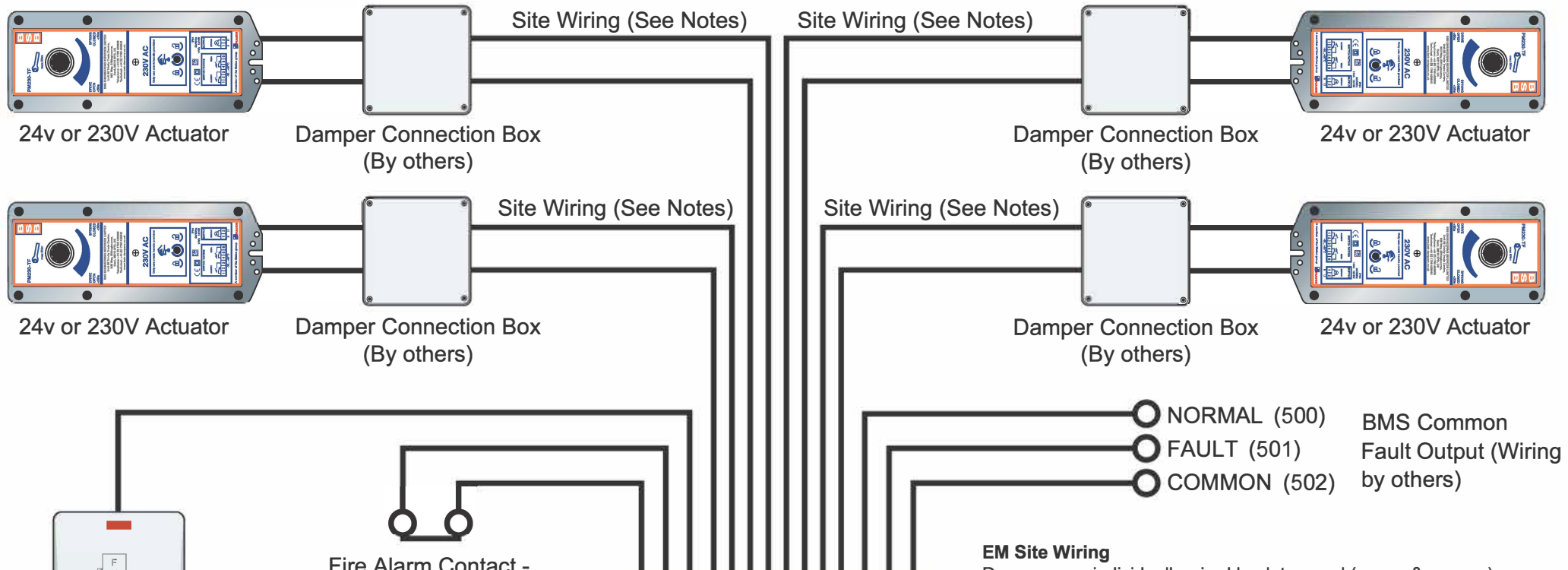


TYPICAL ELECTRO MECHANICAL PANEL WIRING

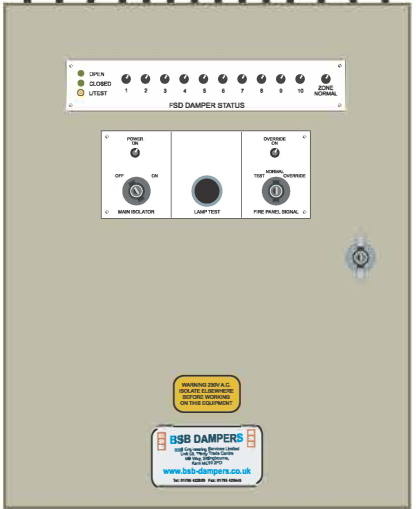


230V Unswitched Fused Spur (By others)

Fire Alarm Contact - Opens in Alarm (By others)

Zone Input - Terminal Connections		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
EM5/10	7 8					
EM20	9 10 9 11					
EM30	9 10 9 11 9 12					
EM40	9 10 9 11 9 12 9 13					
EM50	9 10 9 11 9 12 9 13 9 14					

Zones are in Groups of 10 Dampers



EM Site Wiring
 Dampers are individually wired back to panel (power & comms)
 Fire Alarm Zones inputs are for fixed C&E. Where required, EM20 to EM50 zones can be split into groups of 10 dampers, i.e. EM20 has 2 groups of 10, EM30 has 3 groups of 10. etc

Screened cables are not normally necessary, assuming cables are not run in close proximity to any high power cables or devices.

For 230V Actuators Power & Indication must be separate cables to avoid interference.

Power - 2 Cores 1.5mm LSF Cable (230V).
Indication - 3 Cores 1.5mm LSF Cable (24V).

For 24V Actuators a 5 Core Multicore Cable may be used.
 5 Cores 1.5mm LSF Cable (Max. 250 metres).

EM Control Panel Terminals will accept up to 2.5mm cables.
 Maximum cable lengths and sizes are the responsibility of the installing contractor.



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