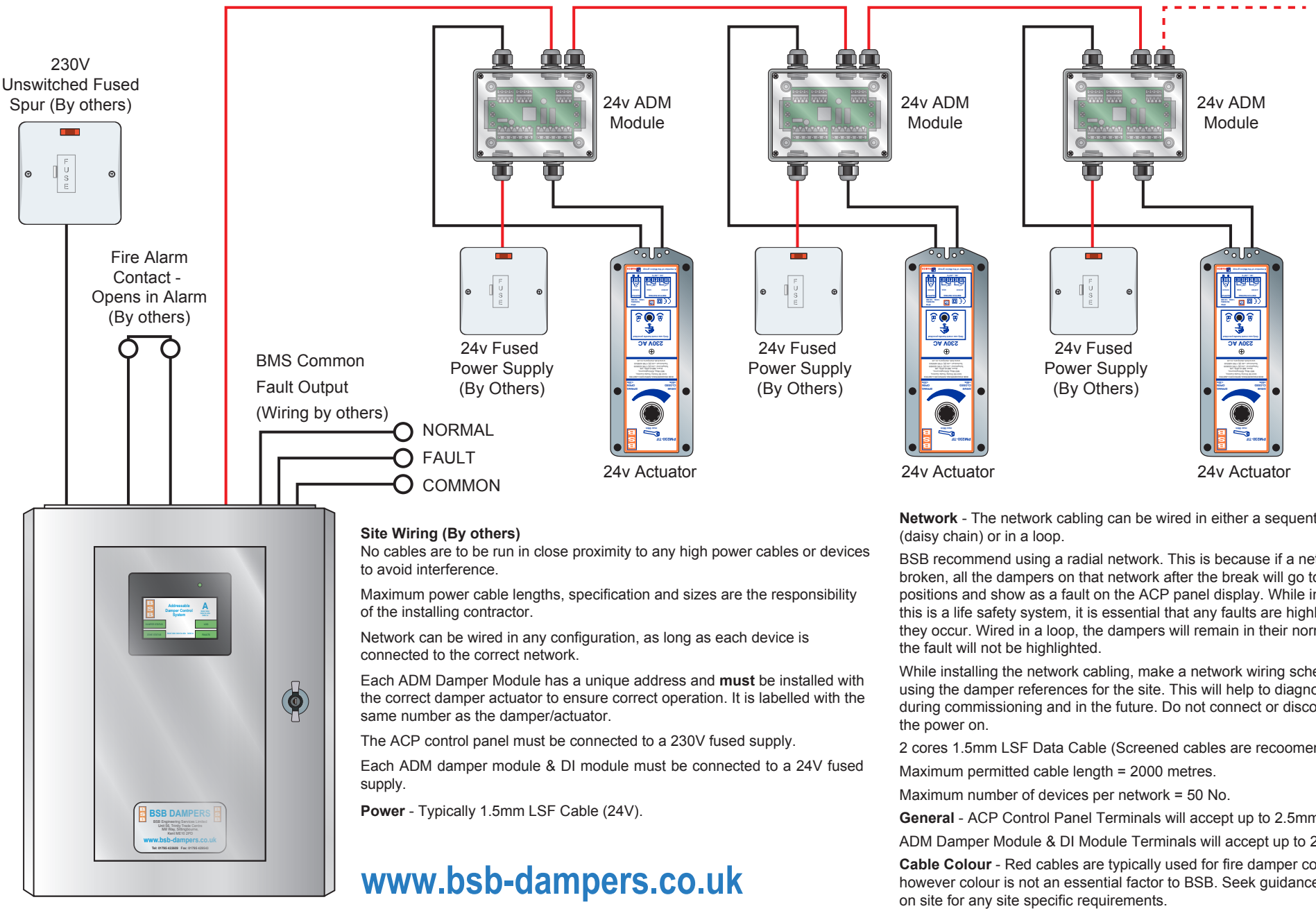
TYPICAL ACP PANEL SCHEMATIC WIRING (24V ACTUATORS)



A brand of MAICO

Site Wiring (By others)
No cables are to be run in close proximity to any high power cables or devices to avoid interference.

Maximum power cable lengths, specification and sizes are the responsibility of the installing contractor.

Network can be wired in any configuration, as long as each device is connected to the correct network.

Each ADM Damper Module has a unique address and **must** be installed with the correct damper actuator to ensure correct operation. It is labelled with the same number as the damper/actuator.

The ACP control panel must be connected to a 230V fused supply.

Each ADM damper module & DI module must be connected to a 24V fused supply.

Power - Typically 1.5mm LSF Cable (24V).

www.bsb-dampers.co.uk

Network - The network cabling can be wired in either a sequential radial network (daisy chain) or in a loop.

BSB recommend using a radial network. This is because if a network cable gets broken, all the dampers on that network after the break will go to their failsafe positions and show as a fault on the ACP panel display. While inconvenient, as this is a life safety system, it is essential that any faults are highlighted as soon as they occur. Wired in a loop, the dampers will remain in their normal positions and the fault will not be highlighted.

While installing the network cabling, make a network wiring schematic diagram using the damper references for the site. This will help to diagnose network faults during commissioning and in the future. Do not connect or disconnect circuits with the power on.

2 cores 1.5mm LSF Data Cable (Screened cables are recoomended).

Maximum permitted cable length = 2000 metres.

Maximum number of devices per network = 50 No.

General - ACP Control Panel Terminals will accept up to 2.5mm cables.

ADM Damper Module & DI Module Terminals will accept up to 2.5mm cables.

Cable Colour - Red cables are typically used for fire damper control systems, however colour is not an essential factor to BSB. Seek guidance from the authority on site for any site specific requirements.

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