

**DIN12MOMC – Full Specification**

Supply voltage:	24V ac/dc 1.5A max.
Output x 1:	24V ac/dc 600mA
Inputs x 2:	5V dc 2mA to volt free contacts
Fusing:	PCB mounted thermal re-settable
Communications driver protection:	3kV ESD protected Short circuit proof Thermal shutdown
Timers:	Damper opening timer 60s Damper closing timer 60s Comms fault watchdog 8s
Enclosure dimensions:	180x110x60mm
Material:	Polystyrene
Flammability rating:	Self extinguishing to UL 94
Colour:	Light grey with smoked transparent lid
IP rating:	55
Environment:	0-70° C ambient 80% RH non condensing
Cable entry:	6 x cable glands fitted



## Principles of operation

Prior to commissioning

The DIN 12 will upon power being applied will supply power to the drive open output. This enables airflow balancing to be undertaken prior to damper control commissioning.

Commissioning

The unit is configured either through local programming.

Operation

Providing the DIN 12 receives a constant stream of 'no fire' messages the output will remain in its normal state according to the type it has been programmed to. On receipt of the 'fire' message the output is switched according to type. Failure to receive a 'fire' or 'no fire' message for 8 seconds will always result in the drive output made to the damper failsafe condition.

Two inputs are reserved for the driven open and driven closed limit switches on the actuator. The DIN 12 transmits a message to the panel indicating the status of these switches, along with the damper type. The panel will then display this as 'open' or 'closed' accordingly. If the limit switches are not made after the timeout period the DIN 12 will transmit a fault message.

