

Fire Curtain Motor Controller

NF-FMC

The Fire Curtain Motor Controller (NMC) works alongside the Group Controller to manage individual curtain motors with precision. It ensures the accurate deployment and retraction of each 24V permanent magnet motor. Current-limiting switches detect when the curtain is fully retracted, reducing motor voltage to a holding level to minimize energy consumption and extend motor life.

The NMC is essential for smooth and reliable operation, whether during normal conditions or in response to fire alarms. It ensures fire curtains respond effectively to commands from the Group Controller, maintaining both safety and operational integrity.



Technical Specifications

Descriptions	Ratings
POWER - Primary Operating Supply	24Vdc; 2.2A; Non-power limited; Fail Safe, Class D
MOTOR Output	24Vdc nominal, maximum one motor. Recorded voltage for compatibility: 16.22Vdc – 33.59Vdc Non-power limited
	Restricted to same room; Fail Safe, Class D
OVERRIDE	5V DC Rated Voltage; 5 mA Maximum (Current – Fail Safe)
	restricted to same room, (20 feet in Conduit), Class D
Delay Unwinding Time	0-60sec
Delay Rewinding Time	0-60sec
2 Stage Hold Time	0-60sec
Down/Unwinding Speed	0-60sec
Locked Current	250 -360
Max. cable size: Override	2 x 12 AWG /0.01A (restricted to within Room)
Max. cable size: To motor	2 x 16 AWG /3.0A (restricted to within Room)