



FES90M-P

High Security Electric Strike



The patented FES90M-P motorised high security electric strike is a revolutionary electronic locking solution. With a high pre-load/side load tolerance, and this is an economic security solution.

The strike accepts voltages from 10 to 30 VDC, is pre-drilled for extension lips and has a unique Power To Lock (PTL) / Power To Open (PTO) field selectable function.

The Strike consumes current less than 300mA @ 12VDC at full 35kg pre-load only during locking and unlocking action. In the locked or unlocked state (Sleep Mode), the electric strike consumes less than 15mA @ 12VDC.

The FES90M-P provides two forms of monitoring:

1. LSS (Lock Status Sensor)
2. DSS (Door Latch Sensor)

FES90M-P comes with a 10mm strike lip as standard.


Features

- Releases with up to 35kg of Pre-Load/Side Load
- Motorised locking device
- Durability tested to 1.5 mill. full 35kg pre-load cycles
- Multi voltage from 10 to 30VDC
- Sleep-Mode Current less than 15mA@12VDC
- Pre-drilled for extension lips
- Up to 1300kg holding strength
- Shock/hammer resistant
- 5 year warranty
- CE/UL



Warranties	
Mechanical	5 years
Electronic	5 years

Technical specifications

Part No.	FES90M-P
Function	Mortice Mount, Power To Lock (PTL) / Power To Open (PTO) field selectable, 35kg of Pre-Load capability
Holding Strength	Up to 1300kg Tested to 1.5 million full 35kg pre-load cycles
Voltage/Current	Multi Voltage 10-30VDC Action Mode: 300mA @ 12VDC at full 35kg pre-load only during locking and unlocking action Sleep-Mode: 8mA @ 12VDC in locked or unlocked mode
Approvals	Up to 4-hour fire rated in accordance with AS1905:1:2015 (contact Allegion for more details)  SCEC approved (contact Allegion for more details)
Monitoring	LSS - Status Sensor of the internal locking mechanism DSS - Door Status Sensor,
Temperature Range	-20° to +60°C

Finishes



B

Black



SSS

Satin Stainless Steel

Testing and Compliance



Fire Rating:

Successfully tested on fire door assemblies in accordance with AS1905 Part1: Fire resistance doorsets. Check with fire door manufacturer prior to installation.



Durability and Strength:

Exceeding Australian Standard AS4145.2-2008 400,000 operating cycles - Durability D7

Meeting Australian Standard AS4145.2-2008 - Static Strength S8 - Impact Strength S8

FES90M-P accessories

Part No.	Product Description
FES90M-P	High Security Electric Eco Strike with pre-load capabilities Australian Footprint monitored 10mm Lip
FES20-EL15	FES20 Extension Lip 15mm
FES20-EL25	FES20 Extension Lip 25mm
FES20-EL50	FES20 Extension Lip 50mm
FES20-EL75	FES20 Extension Lip 75mm
FES20-Rebate	Rebate kit for FES90MP & FES20 Series (Stainless Steel)

FES90M-P product dimensions and installation

