

# New Generation Electric & Electronic Locking



## THINK DIFFERENT

THINK  **FSH**  
FIRE & SECURITY HARDWARE P/L

[www.fshlocking.com.au](http://www.fshlocking.com.au)

# INTRODUCTION

## FSH experience and expertise

Fire and Security Hardware Pty Ltd, Australia (FSH) together with Shanghai One Top Corporation have over 30 years experience in developing, manufacturing and marketing of high quality electromechanical locking devices. The Shanghai One Top factory was established in September 1994, however their history dates back to 1976 in Taiwan as a pioneer in developing and manufacturing electromagnetic locks. The close relationship between the Principals of FSH and Shanghai One Top has existed for almost 30 years. In 2000 this partnership established FSH to research, develop and market electromechanical locking products in Australia, ASIAN and New Zealand. Today FSH and Shanghai One Top have manufacturing footprints in Australia, Taiwan and Shanghai/China.

## Extensive product range

FSH has a number of patented solutions for all your door control needs. The FSH range of products includes complete and unique door locking and control solutions including the recently released MEM (Mechanical Electro Magnetic Lock) range. This new product range includes a revolutionary sliding door lock as well as a retail-loss-prevention locking solution, incorporating patented Early Warning Feature (EW) for monitoring and tracking traffic in retail outlets and the like. The FSH electric strike range boasts the simple yet high quality, high holding force ANSI footprint FES10/10M through to our top of the range FES20M, an electric strike solution offering true "Anti-Tamper-Monitoring", a patented feature not available on any other similar product in the market. The device is fire rated to 4 hours to both A.S. & B.S. Standards and is also Australian Government endorsed (S.C.E.C. approved). The FSH product range is completed by a series of drop bolt solutions as well as door hold open magnets for fire and smoke doors.

## Quality

Three decades of investment in professional research and development has now established our products as leading in world markets. Accredited to ISO9000 our production facilities ensure highest standards of production control and finished product quality, guaranteeing safer, practical and functional security door locking solutions.

## International recognition

Through many years of improvement and innovation our product range has gained many international approvals and certificates from recognised Committees and Standard Testing Laboratories such as CSIRO, UL, ULC and FIRTO. We have also registered more than 20 international patents on our devices. Advanced technology, unique manufacturing skills and superior quality have enabled our devices to be specified and installed in major landmark construction projects worldwide.

## Future assured

FSH's long-term strategy in Australia is to continue to work closely with our distributors and their customers to further develop innovative, state-of-the-art, competitively priced security locking products of the highest performance and quality. FSH intends to uphold its reputation as a leader in Australian and world markets for producing high quality electric locking devices.



MANUFACTURING SHANGHAI



MANUFACTURING TAIPEI



MANUFACTURING SYDNEY

Our range of electric locking devices have been installed in countless projects throughout the world, as a reference we list below just a few of the diverse buildings and complexes fitted out with them.

## INTERNATIONAL MARKETS

		<b>USA</b> <b>Universities</b> Baylor College of Medicine Boston University Medical Centre Florida Int'l University Data Centre Vanderbilt University	<b>Australia</b> <b>Hospitals</b> Sydney St George Hospital Peter McAlum Anti Cancer Centre Sydney North Shore Hospital Sydney Adventist Hospital St Vincent Hospital Atlantic City Medical Centre	<b>China</b> <b>Other Buildings of Significance</b> Beijing TV Station Beijing Shaite Hotel Beijing Modern Times City Zhejiang Lvcheng Villa's
		<b>China</b> Shanghai Fudan University Shenzhen University Dalhousie University	<b>USA</b> Atlantic City Medical Centre	<b>Australia</b> <b>Commercial Buildings</b> Shanghai Pudong Jinmao Tower Zhengdan Building in Shanghai Bund Centre Building in Shanghai Shanghai Stock Exchange Tower Investment Building in Sichuan
		<b>Canada</b> Brussels Freedom University UCL Medical Science University	<b>China</b> <b>Public Buildings</b> China Telecom China Internet China Mobile China Unicom Shanghai Museum Shanghai Mint Jinan Mail Ningxia Electric Power Station Xingjiang Electric Power Station Qingshan Nuclear Power Station in Zhejiang	<b>France</b> HLM KDI Air France
		<b>Britain</b> Cambridge University <b>Netherlands</b> Amsterdam University	<b>China</b> <b>Government Building</b> National Dept. of Public Information China Bureau of Customs The Second intermediate People's Court of Shanghai The people's court in Chengdu Shanghai Futures Market Building	<b>Finland</b> Fin Air Aritech Company Oy Aysec Company
		<b>Norway</b> Oslo University <b>Spain</b> Madrid University <b>Australia</b> Australian National University A.C.T University of New South Wales	<b>France</b> Olympic Stadium Second Stadium	<b>USA</b> Ericsson Mobile Headquarters Chevron Headquarters BMC Software Headquarters
		<b>China</b> Mirimichi Court House Calgary City Police Headquarters CEE Chamber Headquarter European Parliament <b>Australia</b> Department of Defence A.C.T. Department of Finance & Treasury	<b>Australia</b> Olympic Game's main assembly hall Sydney Nuclear facility	<b>Germany</b> Mannesmann Group ESCO
		<b>Belgium</b> Brussels International Airport <b>Australia</b> Sydney International Airport <b>Netherlands</b> Schiphol International Airport <b>Canada</b> Calgary International Airport <b>Britain</b> London Stansted Airport <b>Norway</b> Oslo Airport <b>Spain</b> Madrid Airport <b>China</b> Shenzhen Bao An Airport	<b>France</b> Manchester City Football Stadium <b>Spain</b> Barcelona World Expo <b>Germany</b> Bosch <b>Canada</b> Bell Canada	<b>Sweden</b> Forster Jansen <b>Spain</b> Sentinel Group Rialto Banco Santander <b>Netherlands</b> Philips Headquarters Interlogix Group
		<b>Belgium</b> Brussels International Airport <b>Australia</b> Sydney International Airport <b>Netherlands</b> Schiphol International Airport <b>Canada</b> Calgary International Airport <b>Britain</b> London Stansted Airport <b>Norway</b> Oslo Airport <b>Spain</b> Madrid Airport <b>China</b> Shenzhen Bao An Airport	<b>China</b> <b>Banks</b> Beijing People's Bank Beijing Bank of Communication Import and Export Bank - Shenzhen Branch The Second intermediate People's	<b>Britain</b> Tyco Electronics <b>Norway</b> Detection System <b>Australia</b> Grosvenor Place Sydney Zenith Centre Rialto Building Melbourne <b>Singapore</b> Orchard Centre and Hotel
		<b>Finland</b> Fin Air Aritech Company Oy Aysec Company	<b>Belgium</b> Fortis Bank BBL Bank	
			<b>USA</b> Commerce Bank <b>Netherlands</b> Amro Bank <b>Australia</b> National Bank Headquarters	

# New Generation Electric & Electronic Locking



ACTUAL SIZE  
Standard Electro Magnet 600kg Holding Force

ACTUAL SIZE  
MEM Mechanical Electro Magnetic Lock 1000kg Holding Force



## MEM2400 Mechanical Electro Magnetic Lock Slimline Series - Superior by performance at minimal size

### Common Features

- 75% Smaller than a Standard 600kg Magnet
- High Holding Force up to 1000g and up to 70kg Side Pressure
- Dual Voltage 12/24VDC
- 43% Lower Power Consumption than a 600kg Magnet
- Simple Surface Mount Installation
- 4 Hour Fire Rated
- Full Monitoring Lock Sensor (LSS) and Door Sensor (DSS)
- Early Warning Alarm (EW)

COMPARE THE PERFORMANCE	Standard Electro Magnets 600kg Holding Force	MEM2400 Slimline Series
Holding Force	Up to 580kg	1000kg
Length	268mm	158mm
Height	73mm	35mm
Depth	40mm	30mm
Weight	4.0kg	0.9kg
Power Consumption	24VDC > 0.24A	24VDC = 0.14A
Monitoring	Door Status/Lock Status	Door Status/Lock Status
Early Warning Alarm	NO	YES
Light Feature	Small LED	Light Panel (LP)

# MISSION & APPROVALS



### FSH Mission

“New Generation Electric and Electronic Locking”

FSH is an Australian owned company specialising in unique Electric and Electronic Locking Solutions.



Our mission is to provide to the security industry state-of-the-art electric and electronic locking devices of quality second to none, of performance second to none, at a price competitive in the marketplace.



FSH is proud to be the supplier of choice for FSH distribution partners. FSH will support and value these partnerships with mutual respect, responsiveness and passion.



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Refer to page 10 for definitions of MEM features.

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## ELECTRO MAGNETIC LOCKS

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# MECHANICAL ELECTRO MAGNETIC LOCK

VARIOUS HIGH SECURITY LOCKING DEVICES, ELECTRIC DOOR STRIKES AND MAGNETIC DOOR HOLDERS

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## DEFINITION

The innovative slimline MEM2400 Series Mechanical Electro Magnetic Lock (MEM) has been designed as an alternative to standard Electro Magnetic Locks, especially suited for situations where door height or narrow profile door frames create installation restrictions. The patented MEM incorporates both magnetic and mechanical design principles to achieve a superior holding force of up to 1000kg at a fraction of the size of a standard 600kg Electro Magnetic Lock.

## FEATURES

- ◆ Compact size
- ◆ High holding force
- ◆ Low power consumption
- ◆ **LIGHT PANEL (LP)** is the external long distance visibility indicator panel (colour change red/green/off), indicating the status, insecure/secure or power-off.
- ◆ **LOCK STATUS SENSOR (LSS)** is the monitoring by hall effect sensor of the locking device itself (locking pin engaged or disengaged).
- ◆ **DOOR STATUS SENSOR (DSS)** is the monitoring of the door position by magnetic reed switch within the armature plate and magnetic lock body (door open or door closed), providing switching of normally open dry contacts for remote alarm indication.
- ◆ **EARLY WARNING (EW)** is a patented and unique alarm feature of the MEM product range. The early warning is triggered on initial pressure being applied to the door, giving a local or remote alarm indication.
- ◆ **ANTI TAMPER BRACKET** The MEM2400 Series comes with a unique Anti Tamper Bracket, to prevent hostile attacks on the fixing bolt (dome nut) of the armature plate.



## ELECTROMAGNETIC LOCKS

### DEFINITION

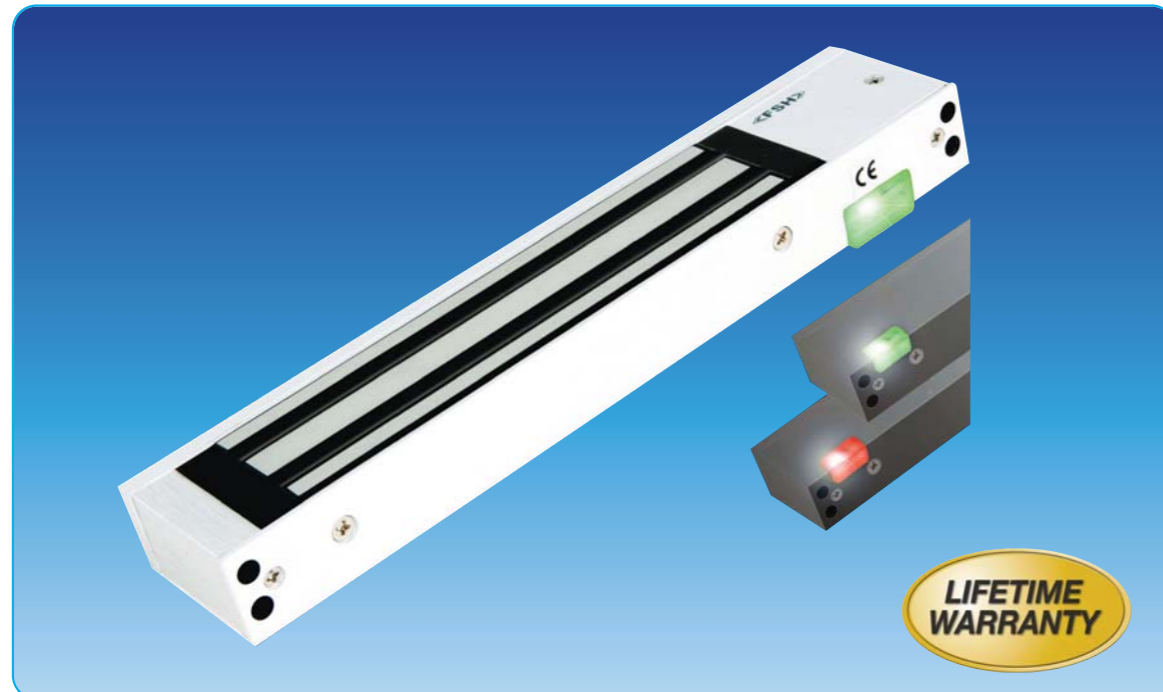
Electro Magnetic Locks are locking devices that consists of an electromagnet (constructed of laminated steel-core surrounded with hundreds of turns of copper wire) and an armature plate (carbon free steel plate). By attaching the electromagnet to the door frame and the armature plate to the door, a current passing through the electromagnet attracts the armature plate, holding the door locked. Electro Magnetic Locks have no interconnecting mechanical parts and therefore require constant power. FSH Electro Magnetic Locks come with a Lifetime Warranty.

### FEATURES

The following features are available on the FSH Electro Magnetic Lock range of products, please refer to the particular magnetic lock part number in the brochure to obtain the features listed below.

The features appear in the brochure in their abbreviated form.

- ◆ **LIGHT PANEL (LP)** is the external long distance visibility indicator panel (colour change, red/green/off), visible from both the rear and side of the Electro Magnetic Lock, indicating the status, insecure/secure or power-off.
- ◆ **LOCK STATUS SENSOR (LSS)** is the monitoring by either hall effect or reed switch (flush mount magnetic locks) of the correct alignment and locking of the armature plate with the magnetic lock face. This facilitates the Light Panel (LP) change over, red/green/off indication, at the same time providing change over switching of a 24VDC/1A (max) dry contact relay for remote alarm indication.
- ◆ **DOOR STATUS SENSOR (DSS)** is the monitoring of the door position by reed switch within the magnetic lock body (door open/door closed), providing switching of normally open dry contacts for remote alarm indication.
- ◆ **ANTI TAMPER PLATE** A unique Anti-Tamper-Plate prevents hostile attacks on the fixing bolt (dome-nut) of the armature plate. Anti-Tamper Plates are supplied with all monitored EML.



## ELECTRIC STRIKES

### DEFINITION

An Electric Strike is an access control device used to lock and release doors. Electric Strikes are installed in or on the door frame and work in conjunction with mechanical door locks, on the principle of electronically controlling the rotation of the keeper. Allowing for door opening without manual retraction of the mechanical door lock. Electric Strikes generally come in two basic field-selectable configurations:

#### ◆ Power To Release (PTR)

In this configuration, applying power to the strike will cause it to unlock. The strike will remain locked in a power failure. However most access control systems are provided with backup batteries.

#### ◆ Power To Lock (PTL)

In this configuration, applying power to the strike will cause it to lock. If there is a power failure or fire alarm condition the door will open merely by being pushed/pulled.

### MONITORING FEATURES

Please refer to the particular Electric Strike part number in the brochure to obtain the features listed below.

- ◆ **LOCK STATUS SENSOR (LSS)** The monitoring of the lock status (locked or unlocked). This is achieved by monitoring the movement of the internal locking mechanism.
- ◆ **DOOR STATUS SENSOR (DSS)** The monitoring of the mechanical lock status with a switch assembly monitoring the tongue of the mechanical lock in the keeper of the Electric Strike. The switch provides NO/NC changeover dry contacts for remote monitoring.
- ◆ **ANTI-TAMPER-MONITORING (ATM)** The ultimate monitoring of the device itself installed within the door frame. A switching assembly monitors the strike being removed from the door frame.



## ELECTRIC DROP BOLTS

### DEFINITION

An Electric Drop Bolt is a motor or solenoid actuated symmetrical dead-bolt mechanism, used for specific applications where Electric Strikes and Electromagnetic Locks cannot be used, such as double action 180 degree swing through or sliding doors. In many cases Electric Drop Bolts are used as additional or secondary locking device. The locking status and door status of the drop bolt can be remotely monitored.



## MAGNETIC DOOR HOLDERS

### DEFINITION

Door Hold Open Magnets are electro magnetic devices to hold fire and smoke doors in an open position. On a principal similar to Electro Magnetic Locks they consist of a round electromagnet (constructed of carbon free steel-core, surrounded with hundreds of turns of copper wire) and a round armature plate (steel plate). Door Hold Open Magnets can be wall or floor mounted and are connected to a smoke and/or fire alarm system. The device releases the door from the hold open position when fire/smoke alarm or manual release button is activated.





# PRODUCT INFORMATION

## MEM2400 SERIES MECHANICAL ELECTRO MAGNETIC LOCK

### PRODUCT DESCRIPTION

The innovative slimline MEM2400 Series Mechanical Electro Magnetic Lock has been designed as an alternative to standard magnetic locks especially suited for situations where door height or narrow profile door frames create installation restrictions and appearance is of paramount importance. The patented MEM incorporates both magnetic and mechanical design principles to achieve a superior holding force of up to 1000kg, whilst being 75% smaller than a standard 600kg Electro Magnet. The MEM2400 is capable of opening with up to 70kg side pressure on the door. The MEM2400 Series also provides full monitoring with Lock Status Sensor (LSS), Door Status Sensor (DSS) and Early Warning (EW) security alarm indication. The device accepts voltages of 12 or 24VDC with low power consumption, 120mA at 24VDC (Standard 600kg Electro Magnets draw 250mA at 24VDC). The device can be interfaced with building management and access control systems to control access and egress to hinged doors including fire rated models.



PART No.	MEM2400LP	MEM2400LED
LIGHT FEATURE	Light Panel (LP)	LED
FUNCTION	Surface mount Outward opening doors	Surface mount Inward opening doors including L&Z Bracket
HOLDING FORCE	Up to 1000kg	
VOLTAGE / CURRENT	Dual Voltage 12/24VDC 12VDC/240mA 24VDC/120mA	Dual Voltage 12/24VDC 12VDC/350mA 24VDC/175mA
APPROVALS	4 hour fire rated to A.S. and B.S. standards	
MONITORING	EW / LSS / DSS	
SIZE	MEM size L= 158mm H= 35mm D= 30mm Armature Plate size L= 120mm H= 30.6mm D= 12.5mm. Anti-Tamper-Bracket Size L= 194mm H= 38mm D= 30mm	MEM size L= 218mm H= 36mm D= 30mm Armature Plate size L= 174mm H= 30.5mm D= 12.5mm
UNITS PER BOX	10 per box	

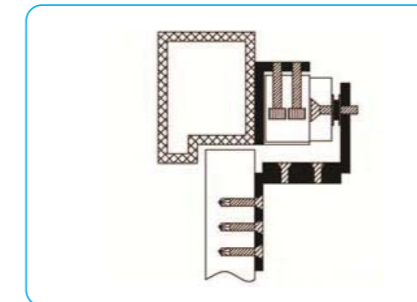
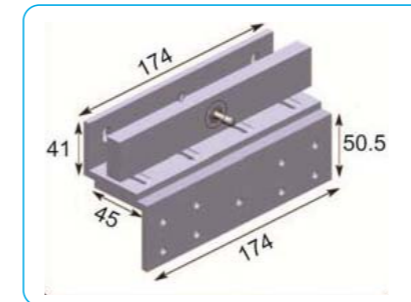
### Common Features

- ◆ Slimline design 75% smaller than a standard 600kg magnet
- ◆ High holding force up to 1000kg and releases under side load of up to 70kg
- ◆ Dual-Voltage 12/24VDC Low power consumption 24VDC/120mA
- ◆ 5 year warranty
- ◆ Simple installation
- ◆ 4 hour fire rated
- ◆ Full monitoring Lock Status Sensor (LSS) and Door Status Sensor (DSS)
- ◆ Early Warning Alarm (EW)
- ◆ Anti Tamper Bracket (to protect the armature plates fixing bolt)

# PRODUCT INFORMATION

## MEM2400 SERIES ACCESSORIES

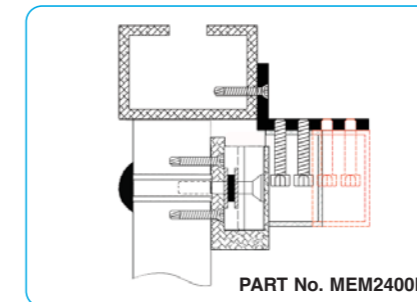
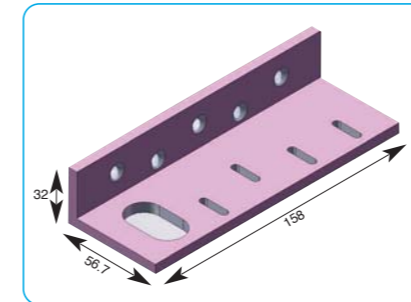
### Adjustable L & Z Bracket for inward opening doors (L&Z Bracket part of MEM2400LED Kit)



### PRODUCT DESCRIPTION

The MEM L&Z Bracket is designed to be used on inward opening doors and only with the MEM2400LED model. Due to the physical size of the light panel feature, the MEM2400LP model cannot be installed in this application. The L & Z Bracket comes as standard with the MEM2400LED.

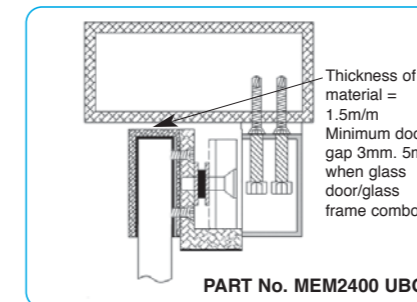
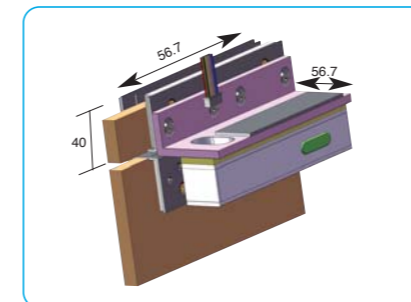
### Adjustable L-Bracket for narrow header door frame



### PRODUCT DESCRIPTION

The Adjustable L-Bracket is used where there is not enough space to install the MEM device directly to the door frame header. The L-Bracket acts as an extension of the door frame. The Adjustable L-Bracket is also used in combination with the Glass-Door Bracket "U-Profile" when the lock has to be installed onto a frameless glass header.

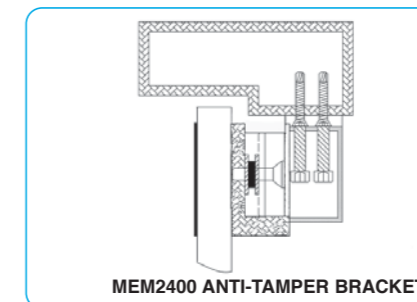
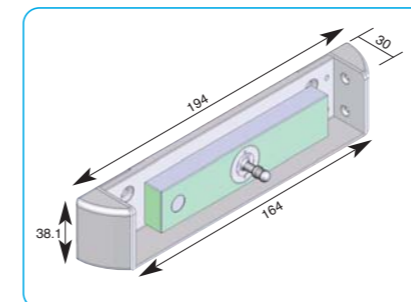
### Glass-Door-Bracket "U-profile"



### PRODUCT DESCRIPTION

The Glass-Door-Bracket U-Profile is used to clamp-on the MEM lock as well as the armature plate to either a frameless glass door or a frameless glass header. As mentioned above, the adjustable L-Bracket has to be ordered separately and can be used on frameless glass headers. The product No. MEM2400UBG has one unit in the box. Frameless glass door and frameless glass frame as one door element would require 2 units of MEM2400UBG as well as 1 unit Adjustable L-Bracket MEM2400L.

### Glass-Door mounting "stick-on" with MEM2400 Anti-Tamper Bracket



### PRODUCT DESCRIPTION

The MEM 2400 Anti-Tamper Bracket comes with the MEM 2400 lock as a standard fitting.

The bracket can be used for glass door "stick-on" mounting. We recommend 3M self adhesive tape (e.g. 4910VHB or equivalent) and FSH Dress Plate AMAB4-BC.

# PRODUCT INFORMATION

MEM1982 SERIES MECHANICAL ELECTRO MAGNETIC SLIDING DOOR LOCK

## PRODUCT DESCRIPTION

The innovative MEM1982 Series Mechanical Electro Magnetic Sliding Door Lock is the smallest and strongest sliding door locking solution of its kind. It has been specifically designed for sliding door applications where the size of common electromechanical locking mechanisms create a problem and compact appearance matters. The patented MEM incorporates both magnetic and mechanical design principles to achieve an exceptional holding force of up to 680kg at an extraordinary compact size. The MEM1982 Series sliding door lock also provides full monitoring LSS, DSS and Early Warning (EW) security alarm indication. The device accepts voltage of 12VDC and has low power consumption of 300mA. It can be interfaced with building management and access control systems to control door access and egress.



PART No.	MEM1982JM BOX-SSH	MEM1982JM
FUNCTION	Surface Mount Sliding Door Mechanical Electro Magnetic Lock. Including Stainless Steel Box	Flush Mount Sliding Door Mechanical Electro Magnetic Lock
HOLDING FORCE	Up to 680kg	
VOLTAGE/CURRENT	12VDC/300mA	
APPROVALS	4 hour fire rated to A.S. and B.S. standards	
MONITORING	EW / LSS / DSS	
SIZE	MEM1982JM BOX-SSH MEM box size: L= 204mm x H= 30mm x D= 39mm Armature box size: L= 204mm x H= 30mm x D= 39mm	MEM1982JM MEM size: L= 175mm x H= 22mm x D= 26mm Armature size: L= 175mm x H= 22mm x D=26mm
UNITS PER BOX	10 per box	

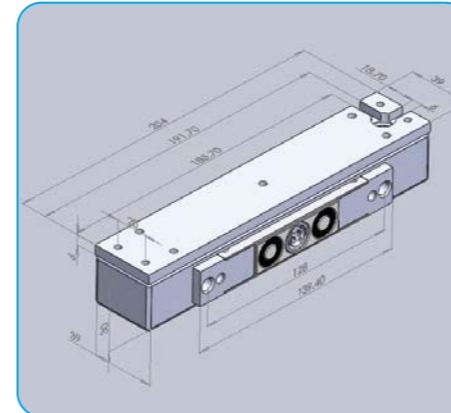
### Common Features

- ◆ Ultra compact design
- ◆ High holding force up to 680kg
- ◆ Low power consumption 12VDC/300mA
- ◆ Simple installation
- ◆ 5 year warranty
- ◆ 4 hour fire rated
- ◆ Full monitoring Lock Status Sensor (LSS), Door Status Sensor (DSS)
- ◆ Early Warning Alarm (EW)
- ◆ For sliding doors

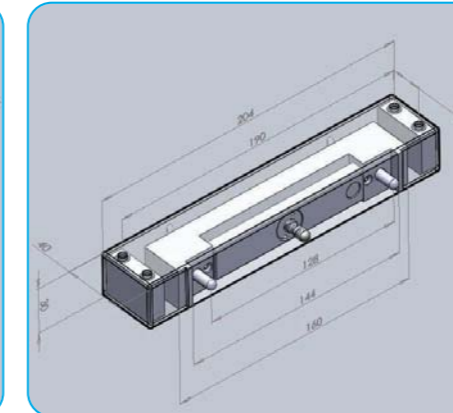
# PRODUCT INFORMATION

MEM1982 SERIES MECHANICAL ELECTRO MAGNETIC SLIDING DOOR LOCK

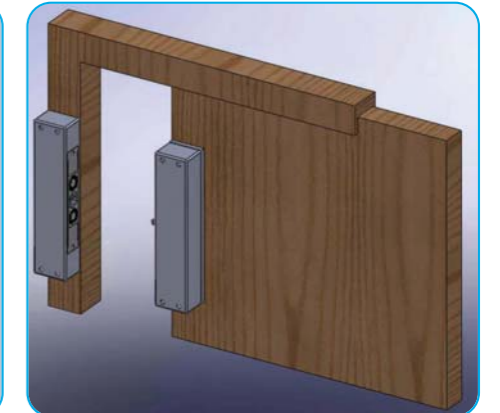
## 1982JM BOX SURFACE MOUNT LOCK DIMENSIONS



MEM1982JM BOX-SSH LOCK ASSEMBLY

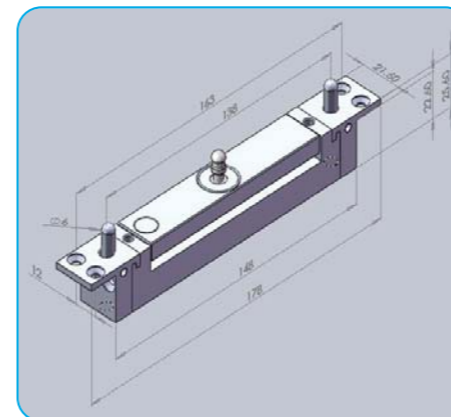


MEM1982JM BOX-SSH ARMATURE PLATE ASSEMBLY

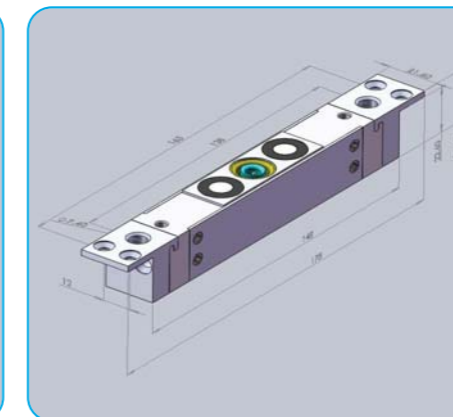


MEM1982JM BOX-SSH MOUNTING SCENARIO

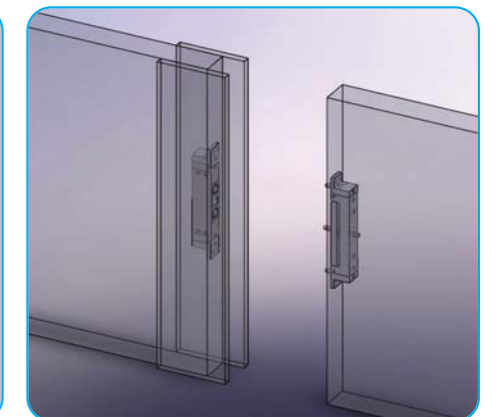
## MEM1982JM / FLUSH MOUNT LOCK DIMENSIONS



MEM1982JM ARMATURE PLATE



MEM1982JM LOCK



MEM1982JM LOCK MOUNTING SCENARIO

# PRODUCT INFORMATION

MEM2400EXT SERIES DELAYED EGRESS LOCKING DEVICE

## PRODUCT DESCRIPTION

The MEM2400EXT Series high security Loss-Prevention Locking Devices are unique products designed for retail applications and the like, where exit doors require Egress Delay functions as well as comprehensive monitoring. The MEM2400EXT is based on the patented MEM technology and incorporates both magnetic and mechanical design principles to achieve an exceptional holding force of more than 1000kg, whilst being 75% smaller than a conventional 600kg Electro Magnet. The MEM2400EXT will open with up to 70kg side pressure (Pre-Load) on the door. As well as Door Status Sensor ( DSS) and Lock Status Sensor ( LSS), the device is also equipped with a 2 stage Early Warning alarm function(EW), Light Panel (LP), a local internal sounder and optional CCTV camera.

### Activation of the Early Warning alarm and Delayed Egress function:

The Early Warning alarm functions (EW) are both, local and remote alarm indications to detect, deter and record unauthorised exit attempts. The Early Warning alarm operates in two stages.

- **Stage 1** Triggered on initial pressure being applied to the particular door fitted with the device in the form of a local audible alarm and/or remote alarm. The initial pressure to the door is called "Nuisance Delay Period" and can be set from 0 to 3 seconds. After the Nuisance Delay Period, and if continuous pressure is applied to the door, stage 2 is triggered.
- **Stage 2** Activates both, local and remote alarm indications. At this time the device will release the door with an optional time delay of 0, 15 or 30 seconds. This feature will also initiate local CCTV recording of the incident for future reference, if the optional CCTV version of the MEM2400EXT device is applied.



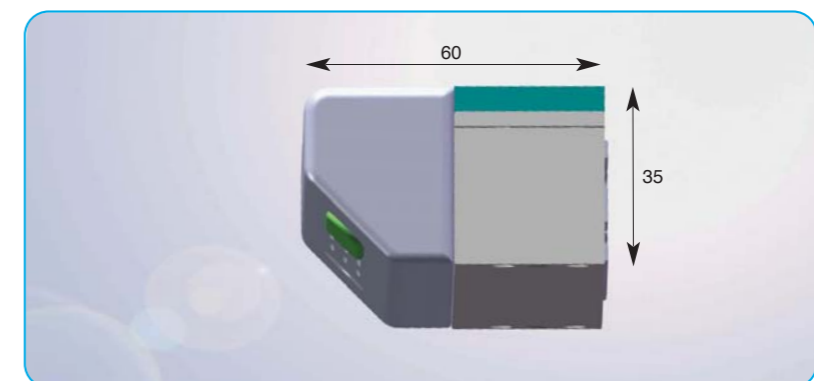
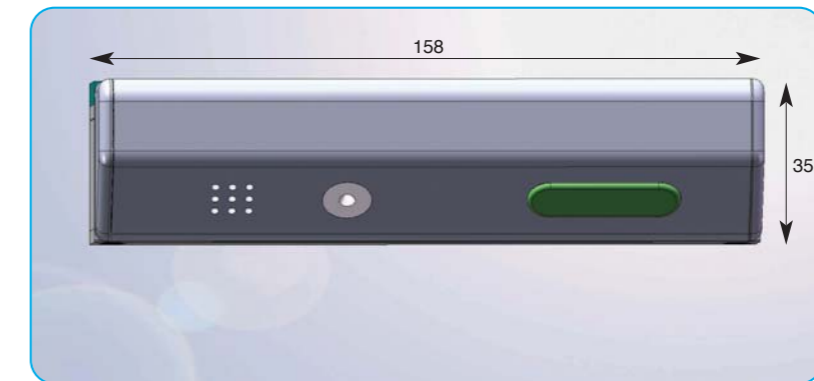
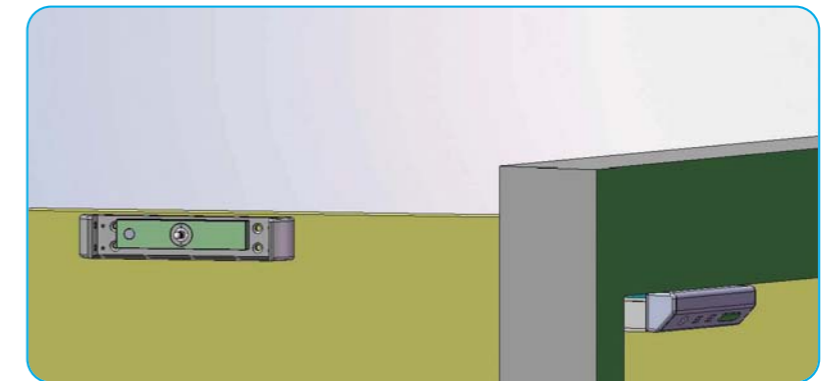
PART No.	MEM2400EXTS	MEM2400EXTSC
FUNCTION	Surface Mount/Retail Loss Prevention Mechanical Electro Magnetic Locking Device with Optional Delayed Egress Feature & Sounder	Surface Mount/Retail Loss Prevention Mechanical Electro Magnetic Locking Device with Optional Delayed Egress Feature & Sounder & built in CCTV Camera
HOLDING FORCE	Up to 1000kg	
VOLTAGE/CURRENT	Dual Voltage 12/24VDC/12VDC/280mA/ 24VDC/140mA	
APPROVALS	4 hour fire rated to A.S. and B.S. standards	
MONITORING	EW / LSS / DSS	
SIZE	MEM size: L= 158mm x H= 35mm x D= 30mm Armature size: L=120mm x H= 30.6mm x D=12.5mm Extension: L= 158mm x H= 35mm x D= 30mm	
UNITS PER BOX	1 per box	

### Common Features

- ◆ Egress Delayed function and Early Warning Alarm (EW)
- ◆ Slimline design
- ◆ High holding force up to 1000kg and releases under side load of up to 70kg
- ◆ Dual-voltage 12/24VDC with low power consumption (current@24V/140mA)
- ◆ 1 year warranty
- ◆ 4 hour fire rated
- ◆ CCTV video function and security timer function (optional)
- ◆ Full monitoring Lock Status Sensor (LSS) and Door Status Sensor (DSS)
- ◆ Light Panel (LP)

# PRODUCT INFORMATION

MEM2400EXT SERIES DELAYED EGRESS LOCKING DEVICE

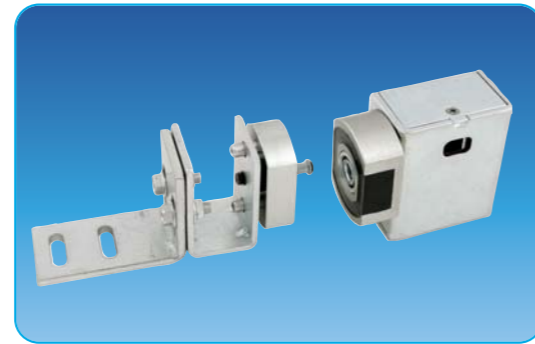


## PRODUCT INFORMATION

MEM4400 AUTOMATIC SLIDING DOOR LOCK

### PRODUCT DESCRIPTION

The innovative MEM4400 Series Mechanical Electro Magnetic Lock is a small and extremely strong sliding door locking solution. It has been specifically designed for automatic sliding door applications where the size of common electromechanical locking mechanisms create installation problems. Located on or within the sliding door track mechanism the patented MEM incorporates both magnetic and mechanical design principles to achieve an exceptional holding force of up to 680kg at an extraordinary compact size. The MEM4400 Series also provides full monitoring, LSS, DSS and Early Warning (EW) security alarm indication. The device accepts voltage of 12VDC and has low power consumption of 260mA. It can be interface with building management and access control systems to control door access and egress.



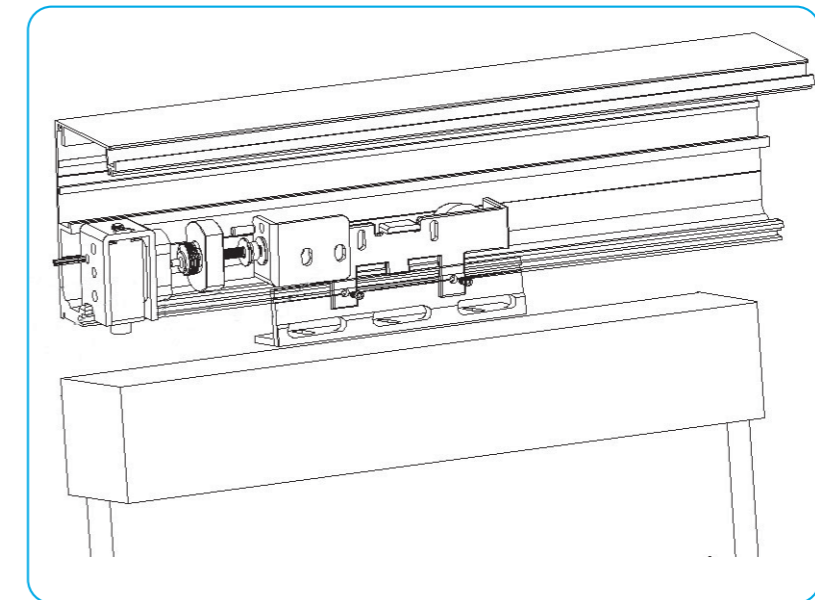
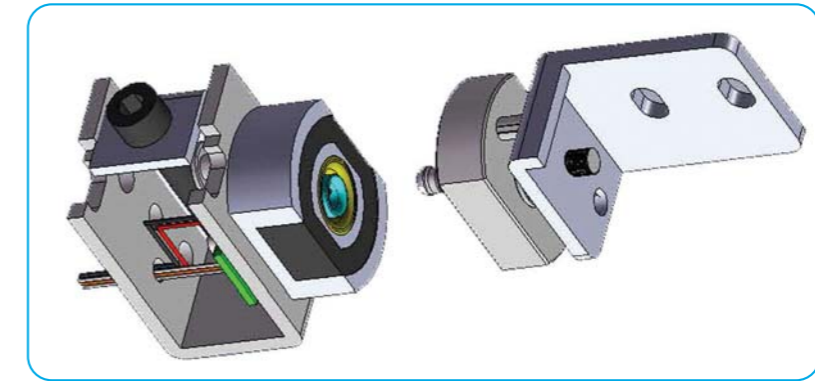
PART No.	MEM4400
FUNCTION	Mechanical Electromagnetic Sliding Door Lock for automatic sliding doors
HOLDING FORCE	680kg
VOLTAGE/ CURRENT	Multi Voltage 12-24V (12VDC/260mA)
APPROVALS	4 hour fire rated to A.S. and B.S. standards
MONITORING	DSS/LSS/EW
SIZE	MEM size: W= 30mm x H= 16.5mm x L= 44mm Armature size: W= 30mm x H= 12.5mm x L= 44mm
UNITS PER BOX	1

#### Common Features

- ◆ Ultra compact design
- ◆ High holding force up to 680kg
- ◆ Low power consumption 12VDC/260mA
- ◆ Simple installation
- ◆ 5 year warranty
- ◆ 4 hour fire rated
- ◆ Full monitoring Lock Status Sensor (LSS) and Door Status Sensor (DSS)
- ◆ Early Warning Alarm (EW)
- ◆ For automatic sliding doors. Lock located on or within the door track

## PRODUCT INFORMATION

MEM4400 AUTOMATIC SLIDING DOOR LOCK



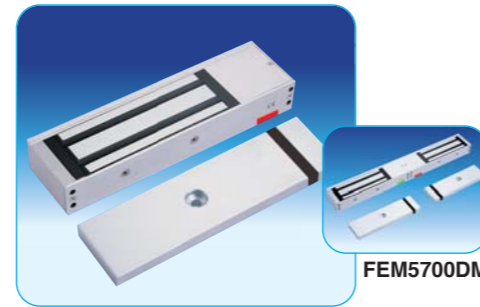
MEM4400 track mounted on automatic sliding door track

# PRODUCT INFORMATION

STANDARD ELECTRO MAGNETIC LOCKS SINGLE/DOUBLE DOOR, SURFACE MOUNT



FEM5700



FEM5700M

PART No.	
FEM5700 FEM5700D	FEM5700M FEM5700DM
HOLDING FORCE	Up to 580kg (for single magnetic lock)
VOLTAGE/ CURRENT	Dual Voltage 12/24VDC, 12VDC=530mA (Double x2) 24VDC=260mA (Double x2)
APPROVALS	4 hour fire rated to A.S. and B.S. standards, SCEC approved for secure areas (FEM5700M & DM)
MONITORING	NIL LP LSS DSS
SIZE	Single door series magnet size: L= 268 x W= 73 x D= 40mm Single door series armature plate size: L= 190 x W= 61 x D= 16mm Single door series DSS-armature plate size: L= 252 x W= 61 x D= 16mm Double door series surface magnet size: L= 535 x W= 73 x D= 40mm Double door series armature plate size: L= 190 x W= 61 x D= 16mm x 2 pcs Double door series DSS-armature plate size: L= 252 x W= 61 x D= 16mm x 2 pcs
WEIGHT	Single door 4.8kg/Double door 9.5kg per set
UNITS PER BOX	Single door 4 per box (19.5kg) Double door 2 per box (19.5kg)

### Common Features

- ◆ Power-off to release door/s
- ◆ No moving parts
- ◆ Built-in varistor (MOV) surge protection
- ◆ Satin anodised aluminum housing & zinc plated electromagnetic lock body
- ◆ Carbon free steel armature plate
- ◆ Lifetime warranty
- ◆ CE/C-Tick
- ◆ SCEC Approved for secure area (FEM5700M&DM)
- ◆ Anti Tamper Plate (with monitored EML)

# PRODUCT INFORMATION

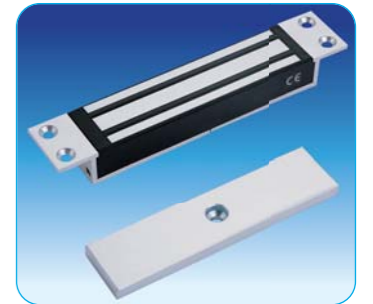
STANDARD ELECTRO MAGNETIC LOCKS SINGLE/DOUBLE DOOR, SURFACE AND FLUSH MOUNT



FEM3500



FEM3500M



FEM3500FM

PART No.		
FEM3500(S) FEM3500D(D)	FEM3500M(S) FEM3500DM(D)	FEM3500FM
HOLDING FORCE	Up to 280kg	
VOLTAGE/ CURRENT	Dual Voltage 12/24VDC, 12VDC=500mA (Double x2) 24VDC=250mA (Double x2)	
APPROVALS	4 hour fire rated to A.S. and B.S. standards	
MONITORING	NIL LP LSS DSS	LSS
SIZE	Single door series magnet size: L= 238 x W= 48 x D= 25mm Single door series armature plate size: L= 185 x W= 38 x D= 12mm Single door series DSS-armature plate size: L= 185 x W= 38 x D= 12mm Double door series surface magnet size: L= 477 x W= 48 x D= 25mm Double door series armature plate size: L= 185 x W= 38 x D= 12mm x 2 pcs Double door series DSS-armature plate size: L= 185 x W= 38 x D= 12mm x 2 pcs	
WEIGHT	Single door 2kg/Double door 4kg per set	
UNITS PER BOX	Single door 10 per box (21kg) Double door 6 per box (25kg)	

### Common Features

- ◆ Power-off to release door/s
- ◆ No moving parts
- ◆ Built-in varistor (MOV) surge protection
- ◆ Satin anodised aluminum housing & zinc plated electromagnetic lock body
- ◆ Carbon free steel armature plate
- ◆ Lifetime warranty
- ◆ CE/C-Tick
- ◆ Anti Tamper Plate (with monitored EML)

# PRODUCT INFORMATION

## HIGH SECURITY-TAMPER RESISTANT ELECTRO MAGNETIC LOCKS

### PRODUCT DESCRIPTION

FSH High Security EMLs provide electronically addressable armature plates unique to each magnet. In conventional EMLs, the armature plates are all identical to a spare or false plate that may be attached to the magnet while the door is open, giving a false secure indication to the access control system. The HS EMLs will detect an incorrect plate and signal an alarm. Conventional hall-effect monitoring is also retained. Government approved, fire tested and including all features of standard FSH EMLs. Non bonded "Illegal" armature plate alarm; LED indication and relay output, eliminates the need for balanced reed switches; Dual voltage selectable 12 or 24VDC; Lock Status Sensor output - LED indication and relay output; Alarm time setting - 15/30/60 seconds, or continual. Product is covered by FSH Lifetime Warranty. FEM4000HST and FEM4000DHST are SCEC approved (secure area) products. The FEM4000 Series and FEM2600 Series also come with anti tamper plates to prevent hostile attacks on the fixing bolt of the armature plate.



FEM4000HST

FEM4000DHST



FEM2600HS

PART No.		
	FEM4000HST FEM4000DHST	FEM2600HS
HOLDING FORCE	Up to 580kg	Up to 280kg
VOLTAGE/ CURRENT	Dual Voltage 12/24VDC, 12VDC=590mA 24VDC=290mA (Double x2)	Dual Voltage 12/24VDC, 12VDC=550mA 24VDC=270mA (Double x2)
APPROVALS	4 hour fire rated to A.S. and B.S. standards S.C.E.C approved (secure area)	4 hour fire rated to A.S. and B.S. standards
MONITORING	LSS Internal CPU register armature plate (Registered to match the individual electromagnetic lock) With security alarm sensor/Time delay setting from 0-60 sec	
SIZE	Single door series magnet size: L= 268 x W= 73 x D= 40mm Single door series armature plate size: L= 190 x W= 61 x D= 16mm Double door series Surface magnet size: L= 535 x W= 73 x D= 40mm Double door series armature plate size: L= 190 x W= 61 x D= 16mm x 2 pcs	Single door series magnet size: L= 268 x W= 48 x D= 25mm Single door series armature plate size: L= 185 x W= 38 x D= 12mm
WEIGHT	Single door 4.75kg/Double door 9.5kg per set	Single door 2kg per set
UNITS PER BOX	Single door 4 per box (19.5kg) Double door 2 per box (19.5kg)	Single door 10 per box (21kg)

# PRODUCT INFORMATION

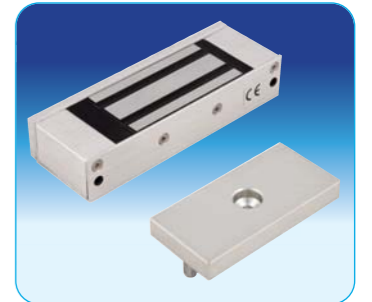
## MINI SINGLE DOOR ELECTRO MAGNETIC LOCKS



FCCW30S



FCCW30F (Flush Mount)



FCCW15S

PART No.			
	FCCW30S	FCCW30F (Flush mount)	FCCW15S
HOLDING FORCE	Up to 180kg		Up to 75kg
VOLTAGE/ CURRENT	Dual Voltage 12/24VDC, 12VDC=350mA 24VDC=175mA		Dual Voltage 12/24VDC, 12VDC=240mA 24VDC=120mA
MONITORING	NIL		NIL
SIZE	Single door series magnet size: L= 166 x W= 39 x D= 21mm Single door series armature plate size: L= 130 x W= 32 x D= 8.3mm		Single door series magnet size: L= 107 x W= 37 x D= 20mm Single door series armature plate size: L= 65 x W= 32 x D= 9mm
WEIGHT	1kg each		0.5kg each
UNITS PER BOX	10 per box (11kg)		10 per box (6kg)

### Common Features

- ◆ Power-off to release door/s
- ◆ No moving parts
- ◆ Built-in varistor (MOV) surge protection
- ◆ Satin anodised aluminum housing and zinc plated electromagnetic lock body
- ◆ Carbon free steel armature plate
- ◆ Lifetime warranty
- ◆ Low power consumption

## PRODUCT INFORMATION

ELECTRO MAGNETIC GATE LOCKS WEATHER RESISTANT



FEM5000G



FEM4700FS



FEM4500FS

PART No.			
	FEM5000G	FEM4700FS	FEM4500FS
HOLDING FORCE	Up to 630kg	Up to 380kg	Up to 200kg
VOLTAGE/CURRENT	Dual Voltage 12/24VDC, 12VDC=480mA 24VDC=240mA	Dual Voltage 12/24VDC, 12VDC=400mA 24VDC=200mA	Dual Voltage 12/24VDC, 12VDC=360mA 24VDC=180mA
MONITORING	LSS	NIL	NIL
SIZE	Magnet size: L= 225 x W= 63 x D= 44mm  Armature plate size: L= 190 x W= 61 x D= 16mm	Magnet size: L= 220 x W= 47 x D= 30.5mm  Armature plate size: L= 185 x W= 42 x D= 12mm	Magnet size: L= 162 x W= 26 x D= 31mm  Armature plate size: L= 130 x W= 30 x D= 8.7mm
WEIGHT	4.75kg	2kg	1kg
UNITS PER BOX	4 per box (19.5kg)	10 per box (21kg)	10 per box (11kg)

### Common Features

- ◆ Power-off to release door
- ◆ Unique mounting design
- ◆ Stainless 304 steel body housing
- ◆ Carbon free steel armature plate
- ◆ Built-in varistor (MOV) surge protection
- ◆ Weather resistant IP67
- ◆ Lifetime warranty
- ◆ CE/C-Tick
- ◆ Anti Tamper Plate (with FEM5000G)

## PRODUCT INFORMATION

ELECTRO MAGNETIC SHEAR LOCK SINGLE DOOR, MORTISE MOUNT



FSH2500

### PRODUCT DESCRIPTION

FSH shear locks are an evolutionary product based on the proven EML concept, designed for applications where the door swings through a 180 degree arc. Whilst a standard EML provides a tensile force, a shear lock differs as it resists a shear or sliding force. When the shear lock detects the door in the closed position, the magnet “sucks” the armature plate up by up to 5mm and traps the armature in the magnet face. Despite the small size of the FSH shear lock, it is capable of resisting up to 250kg of shear load. The shear lock accepts voltages from 12 to 24VDC.

PART No.	FSH2500
HOLDING FORCE	Up to 250kg holding force
VOLTAGE/CURRENT	At 12VDC x 1A(in-rush) 200mA(normal) At 24VDC x 0.5A “100mA”
MONITORING	Lock Status Sensor LED indicator
SIZE	Shear Locks series magnet size: L= 166 x W= 31 x D= 21mm Shear Locks series armature plate size: L= 166 x W= 26 x D= 31mm
WEIGHT	0.7kg
UNITS PER BOX	10 per box (7.5kg)

### Common Features

- ◆ Up to 250kg holding force
- ◆ Lock status monitoring
- ◆ Easy installation
- ◆ 2 year warranty
- ◆ Low holding current
- ◆ 12 to 24VDC

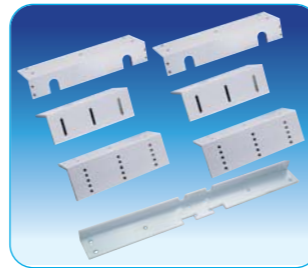
# PRODUCT INFORMATION

## ACCESSORIES FOR ELECTRO MAGNETIC LOCKS

This range of unique brackets are designed to facilitate the fixing of magnetic locks and their armature plates on special door assemblies such as narrow headers, inward opening doors, glass doors and the like, where standard fixing arrangements are not possible. L&Z Brackets as well as adjustable L-Brackets come in brushed aluminium.

### Adjustable "L" and "Z" brackets for inward opening doors

PART No.	BRACKET TO SUIT
AMZB1-LP	FEM5000G/FEM5700/FEM4000HST*
AMZB1D-LP	FEM5700D/FEM4000DHST*
AMZB1-LP DSS	FEM5700M
AMZB1D-LP DSS	FEM5700DM
AMZB4-LP	FEM3500/FEM4700FS*
AMZB4D-LP	FEM3500D
AMZB4-LP	FEM3500M
AMZB4D-LP	AMZB4D-LP
AMZB3	FCCW30S/FEM4500FS



\* L-BRACKET NOT REQUIRED FOR FEM5000G. ONLY Z-BRACKET NEEDED.

### Adjustable "L" bracket for narrow header doors

PART No.	BRACKET TO SUIT
AMLB1	FEM5700
2 x AMLB1	FEM5700D
AMLB1	FEM5700M
2 x AMLB1	FEM5700DM
AMLB4	FEM3500/FEM3500M
2 x AMLB4	FEM3500D/FEM3500DM

### Stick on armature plate holder for glass doors (recommended 3MVHB tape) not supplied

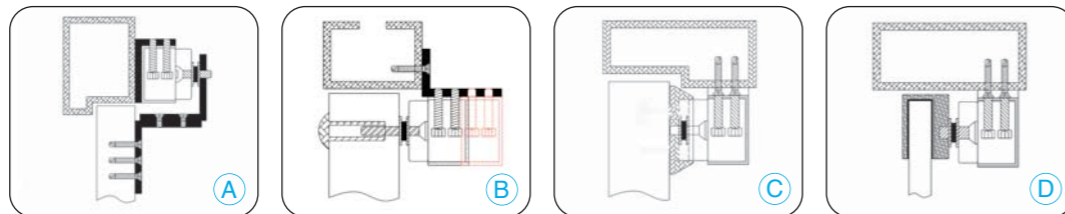
PART No.	BRACKET TO SUIT
AMAB1	FEM5700
2 x AMAB1	FEM5700D
AMAB1 DSS	FEM5700M
2 x AMAB1 DSS	FEM5700DM
AMAB4	FEM3500
2 x AMAB4	FEM3500D
AMAB4	FEM3500M
2 x AMAB4	FEM3500DM

### Glass Door Bracket "U-Profile" to fix armature plate to head of 10-12mm glass doors

PART No.	BRACKET TO SUIT
AMGB1-12	FEM5700
2 x AMGB1-12	FEM5700D
AMGB1-12 DSS	FEM5700M
2 x AMGB1-12 DSS	FEM5700DM
AMGB4-12	FEM3500
2 x AMGB4-12	FEM3500D
AMGB4-12	FEM3500M
2 x AMGB4-12	FEM3500DM



EXAMPLE OF MOUNTING INSTALLATIONS



## LIFETIME WARRANTY CERTIFICATION

This certificate is to guarantee a lifetime warranty on the FSH Electromagnetic Lock that you have just purchased. This warranty does not cover wear and tear of the product and the product must be installed according to FSH specifications.

Models covered under this warranty include:

FEM5700 Series | FEM3500 Series | FEM4000HST Series | FEM2600HST Series  
FCCW Series | FEM5000G | FEM4700FS | FEM4500FS

FSH  
Fire & Security Hardware Pty. Ltd.

Managing Director

Date: 19th December 2008





## PRODUCT INFORMATION

HIGH SECURITY FULLY MONITORED ELECTRIC DOOR STRIKE

### PRODUCT DESCRIPTION

The patented FES20/20M SCEC Approved (FES20M) high security electric door strikes are designed to provide Power To Lock (P.T.L.) or Power To Release (P.T.R.) changeover by simply rotating the “capstan” locking mechanism without tampering with the internal locking operations. The FES20/20M are manufactured from stainless steel and have the advantage of accepting D.C. voltages from 12 to 36 Volts. The FES20 and FES20M are pre-drilled for extension lips and the 20M model is provided with full monitoring including true “anti-tamper”. Independently tested, the FES20 Series electric strikes are the strongest of their category.

**Protruding Electric Strike Lips are now a thing of the past! FES20 Series Strikes now come with a 5mm reduced strike lip as standard.**



FES20 - identical to the FES20M but without monitoring features

### FES20M

- ◆ 5 year warranty
- ◆ Simple power to lock/power to release interchange
- ◆ No loose pins and springs
- ◆ Pre-drilled for extension lips
- ◆ Mounting kit included
- ◆ SCEC Approved for secure areas (FES20M)
- ◆ Fire rated
- ◆ CE/C-Tick
- ◆ Superior holding strength
- ◆ Additional Door Position Switch on request

EXTENSION LIPS	
	15mm Lip FES20 – EL15
	25mm Lip FES20 – EL25
	50mm Lip FES20 – EL50
	75mm Lip FES20 – EL75

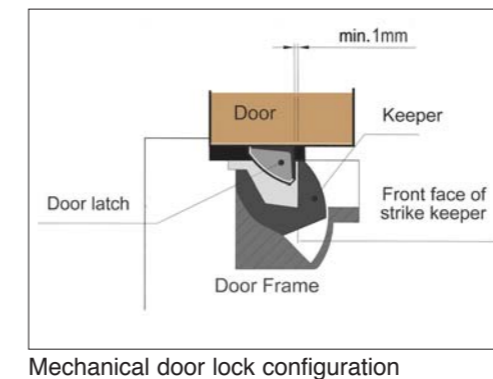


PART No.	FES20M	FES20
FUNCTION	Mortise mount, power to lock/power to release site interchangeable. Input voltage: 12-36VDC	
HOLDING FORCE	Up to 1490kg	
VOLTAGE/CURRENT	12VDC=220mA, 24VDC=120mA, 36VDC=80mA	
APPROVALS	SCEC Approved secure area, 4 hour fire rated	4 hour fire rated to A.S. and B.S. standards
MONITORING	Fully monitored; door latch tongue, locking mechanism, strike installed in door frame. (Anti Tamper Monitoring)	Non monitored
SIZE	L= 176 x W= 44.5 x D= 26.5mm	
WEIGHT	0.6kg	
UNITS PER BOX	20 per box (13kg)	

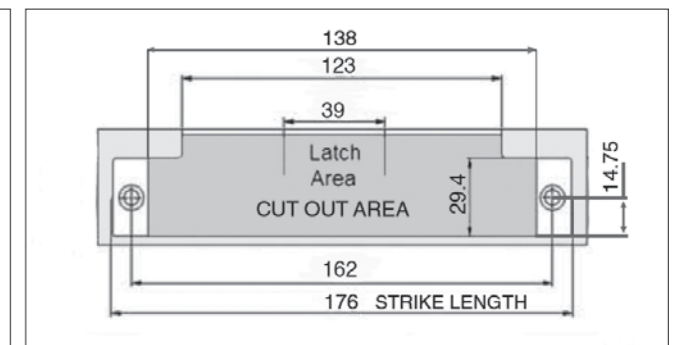
## FES20M<sup>®</sup> Electric Door Strike

Superior by performance with no equivalent

	COMPETITORS	FES20M
Multi voltage 12 to 36VDC		YES
Fully monitored including true anti-tamper		YES
Simple change over power-to-lock / power-to-release, no loose pins, no need to remove cover		YES
Pre-drilled for extension plates as standard		YES
Holding Force over 12000N (independently tested)		YES
Mounting tab kit included		YES
S.C.E.C endorsed for “secure areas”	YES	YES



Mechanical door lock configuration



Cut out dimensions

# PRODUCT INFORMATION

## ANSI FOOTPRINT ELECTRIC DOOR STRIKE



### PRODUCT DESCRIPTION

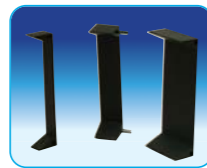
The patented FES10/10M ANSI footprint electric strikes are site interchangeable to operate either as Power To Lock (P.T.L) or Power To Release (P.T.R) through reversing the positioning of the “Barbell” inside the strike’s housing, simply unscrew the springscrew cap, remove the “Barbell”, reverse it and re-fix the springscrew cap. The FES10/10M can be linked to any fire alarm or access control system. It is suitable for all types of wooden, steel, PVC, aluminium or stainless door frames. The FES10/10M also have the added advantage of being dual voltage devices, 12VDC or 24VDC, simply selected by installing the appropriate connector plug supplied with the strikes. The FES10/10M are supplied pre-drilled for extension lips, and come with a 5 year warranty. Independently tested, the FES10/10M Series electric strikes are the strongest of their category.

**FES10** - identical to the FES10M but without monitoring features

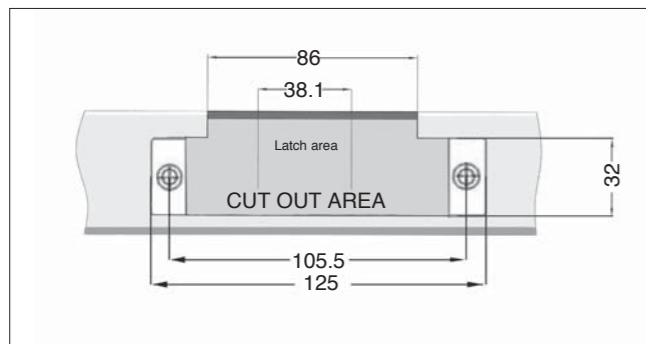
### FES10M

- ◆ 5 year warranty
- ◆ Stainless steel faceplate and keeper
- ◆ Easy installation
- ◆ Low power consumption
- ◆ Compatible with latch depth of up to 15mm
- ◆ Weather resistant (FES10 only) IP56
- ◆ CE/C-Tick
- ◆ Superior holding strength

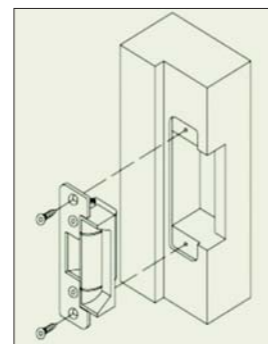
EXTENSION LIPS	
	15mm Lip FES10 – EL15
	25mm Lip FES10 – EL25
	50mm Lip FES10 – EL50
	75mm Lip FES10 – EL75



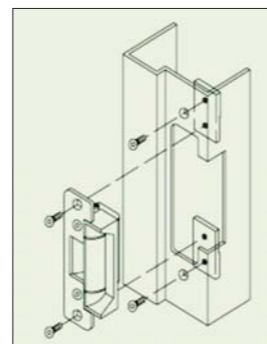
PART No.	FES10M	FES10
FUNCTION	Mortise mount, power to lock/power to release site interchangeable. Input voltage: 12/24vDC	
HOLDING FORCE	Over 1300kg	
VOLTAGE/CURRENT	Dual Voltage 12VDC/200mA 24VDC/100mA	
APPROVALS	2 hour fire rated to A.S. and B.S. standards	
MONITORING	Door Latch monitoring	Non monitored
SIZE	L= 125 x W= 42 x D= 35mm	
WEIGHT	0.42kg	
UNITS PER BOX	25 per box (11kg)	



Cut out dimensions



Mounting installation on wooden door frame



Mounting installation on metal, aluminum or PVC door frames

# PRODUCT INFORMATION

## RIM MOUNT ELECTRIC DOOR STRIKE



### PRODUCT DESCRIPTION

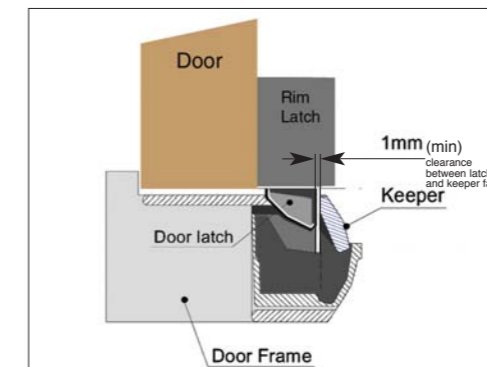
The patented FES15/15M electric door strikes are designed to provide simple low cost, high quality electric locking solutions for “RIM” or surface mount mechanical door locks. The device can be interchanged power to lock (P.T.L) or power to release (P.T.R) at site and can be supplied with door lock tongue monitoring (FES15M). Changeover from power to lock (P.T.L) to power to release (P.T.R) is carried out in an identical manner to that of the FES10 strike, “Barbell” reversal. The changeover is achieved without removal of the strike body through a patented screw cap feature. Independently tested, the FES15/15M Series electric strike are the strongest of their category.

**FES15** - identical to the FES15M but without monitoring features

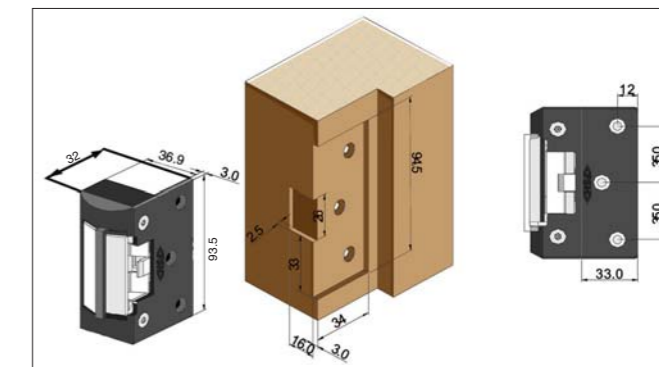
### FES15M

- ◆ 12VDC & 24VDC dual voltage continuously rated coil
- ◆ Simple power to lock/power to release interchange
- ◆ Weather resistant (FES15 only) IP56
- ◆ 5 year warranty
- ◆ Monitoring of door latch 24V/100mA contacts (FES15M)
- ◆ Superior holding strength
- ◆ Surface mount for “RIM” locks
- ◆ Easy installation
- ◆ Anti tamper contact (patented)
- ◆ CE/C-Tick

PART No.	FES15M	FES15
FUNCTION	Surface mount electric strike for rim latch control	
HOLDING FORCE	Over 1252kg	
VOLTAGE/CURRENT	Dual voltage 12VDC/200mA 24VDC/100mA	
APPROVALS	2 hour fire rating	
MONITORING	Door latch monitoring Anti Tamper - Monitoring	Non monitored
SIZE	L= 93.5 x W= 40 x D= 32mm	
WEIGHT	0.45kg	
UNITS PER BOX	25 per box (10kg)	



Mechanical door lock configuration



Timber door frame cut out

# PRODUCT INFORMATION

FES4012 GLASS DOOR STRIKE



FES4012

## PRODUCT DESCRIPTION

FES4012 is suitable for hinged glass door installations. The mortise mount type electric strike can be linked to any fire/smoke alarm or access control system.

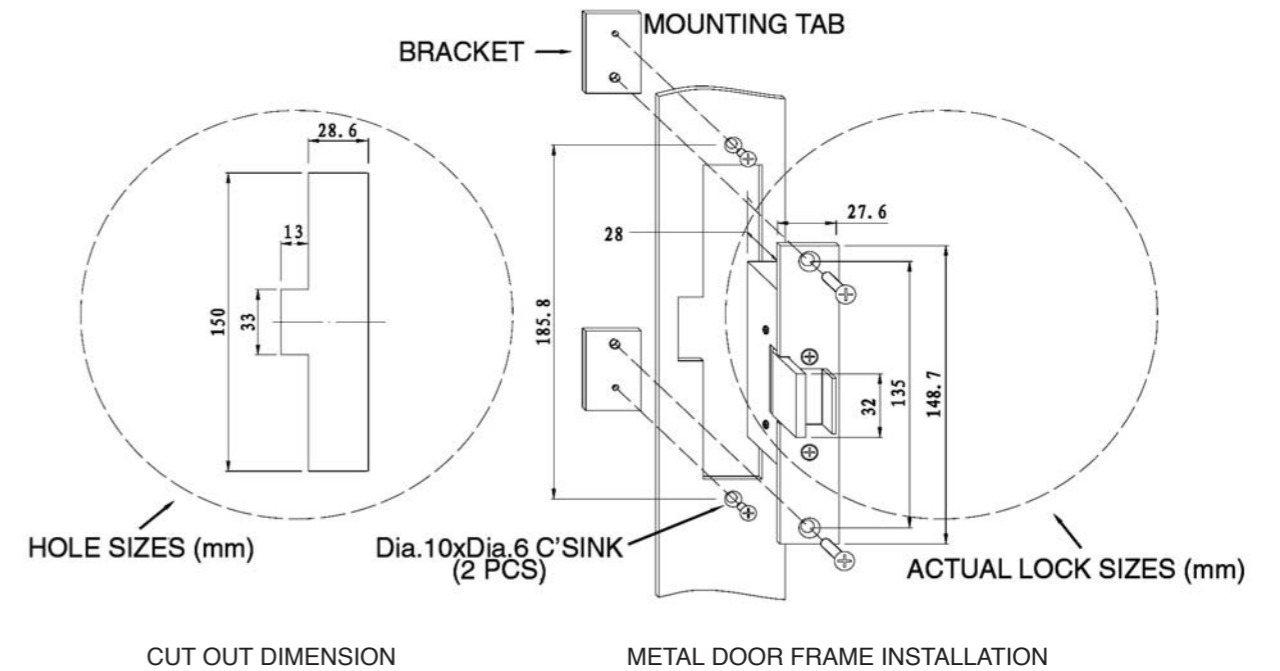
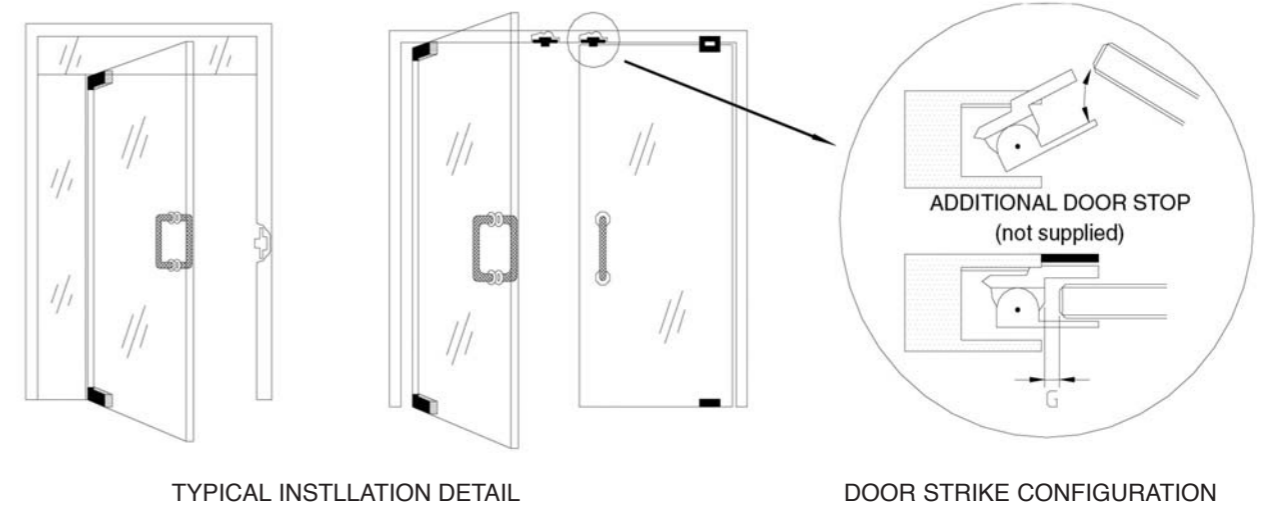
PART No.	FES4012
FUNCTION	Mortise mount, power to lock glass door electric strike
HOLDING FORCE	Up to 300kg
VOLTAGE/CURRENT	12VDC/240mA
MONITORING	Non monitored
SIZE	L= 148.7 x W= 27.6 x D= 30.1mm
WEIGHT	0.4kg
UNITS PER BOX	1 per box

### Common Features

- ◆ Power to lock
- ◆ 304 stainless steel faceplate
- ◆ 304 stainless steel lock body
- ◆ Easy installation
- ◆ Low power consumption and low temperature
- ◆ Continuous operation
- ◆ Used on glass thickness from 10 to 12mm
- ◆ 2 year warranty

# PRODUCT INFORMATION

FES4012 GLASS DOOR STRIKE



# PRODUCT INFORMATION

## SLIMLINE ELECTRIC DROP BOLT MORTISE MOUNT



DB1260PTO (power to release) DB1260PTL (power to lock)

### PRODUCT DESCRIPTION

DB1260 is designed for narrow frame swing doors, and/or glass door mounting. The drop bolt body depth of 35mm will fit into a 44mm depth door frame. The drop bolt is available in either "power to lock" or "power to release" format. The DB1260 can be wired into any fire/smoke alarm or security access control system.

In "power to release" mode the drop bolt is factory pre-set with a 3 seconds time delay and buzzer on "A" setting (refer to technical information supplied with drop bolt).

PART No.	DB1260PTO (power to release)	DB1260PTL (power to lock)
FUNCTION	Slimline mortise mount drop bolt	
HOLDING FORCE	Up to 300kg	
VOLTAGE/CURRENT	12VDC 1.15A(in-rush) 250mA holding	
APPROVALS	4 hour fire rated to A.S. and B.S. standards	
MONITORING	Door sensor Remote release Bi-coloured LED Audible tone	
SIZE	L= 210 x W= 25 x D= 35mm	
WEIGHT	0.7g	
UNITS PER BOX	10 per box (7.5kg)	

**Mounting installation:** Suitable for mounting on wooden, metal, glass, aluminum and PVC door frames.

### Common Features

- ◆ Internal control circuits protect drop bolt pin from damage
- ◆ Power to lock or power to release (has to be specified)
- ◆ Auto lock function
- ◆ Built-in varistor (MOV) for surge protection
- ◆ Time delay setting at 0/3/6/10 secs
- ◆ 1 year warranty

# PRODUCT INFORMATION

## SLIMLINE ELECTRIC DROP BOLT ACCESSORIES



DB1260BOX



DB1260LMAG

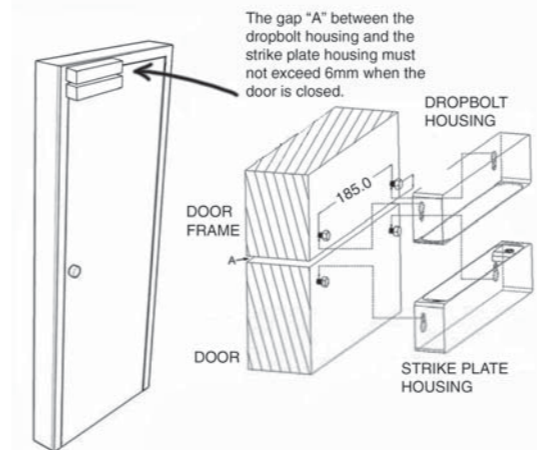
### PRODUCT DESCRIPTION

The stainless steel DB1260 surface mount housing kits are designed to facilitate mounting of drop bolts to applications where flush mounting of the device is not possible. e.g. frameless glass doors and glass header panels and retrofit surface mount applications.

PART No.	BRACKET TO SUIT DB1260
DB1260BOX	DB1260 surface mounting box
DB1260LPLATE	DB1260 long face plate
DB1260LMAG	DB1260 "L" bracket for glass fixing with magnets
DB1260L	DB1260 "L" bracket for glass fixing without magnets

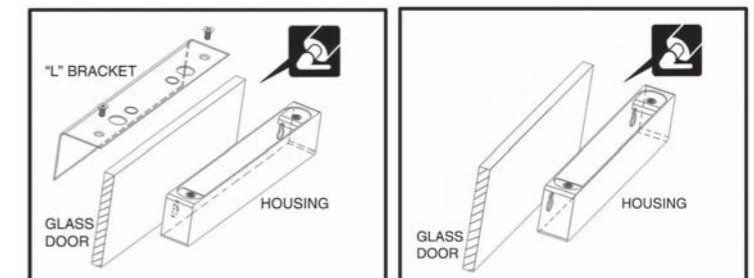
### SURFACE MOUNT APPLICATION

1. Position the surface box, mark and drill the fixing holes
2. Screw in the 4.8mm hex head screws  
**DO NOT FULLY TIGHTEN THE SCREWS**
3. Slide the surface box over the screws and tighten screws with an 8mm open spanner
4. Align and fix the counter part box as per detail below



### GLASS DOOR MOUNT APPLICATION

1. All surfaces must be clean, free of dirt, oil or grease
2. Apply 3M VHB adhesive (not supplied) in accordance with the manufactures instructions and fit to glass door/head panel as detailed below



# PRODUCT INFORMATION

STANDARD ELECTRIC DROP BOLT FLUSH MOUNT



DB1200MLDRET

## PRODUCT DESCRIPTION

DB1200 is a high intelligence drop bolt, mortise mount installation that fits into 44mm depth door frame. If the door does not correctly align with the drop bolt engagement position within the door, the bolt will not activate, avoiding damaged to both the DB unit and/or the door. At the same time an alarm will alert you that the door is not in position to be locked. The DB1200 can be linked to any fire/smoke alarm or security access control system. The DB1200 is only supplied in the "power to lock" configuration. The device accepts voltages from 12/24VDC.

PART No.	DB1200MLDRET
FUNCTION	Mortise mount auto flush bolt, fully monitored
HOLDING FORCE	Up to 300kg
VOLTAGE/CURRENT	12/24VDC 12V 900mA(in-rush) 210mA holding 24V 450mA(in-rush) 120mA holding
MONITORING	Lock sensor Door sensor Remote release Bi-coloured LED Audible tone
SIZE	L= 203 x W= 38 x D= 43mm
WEIGHT	0.7kg
UNITS PER BOX	10 per box (7.5kg)

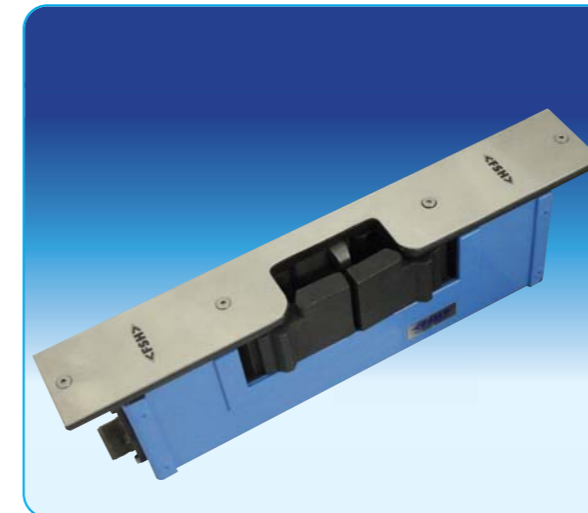
**Mounting installation:** Suitable for mounting on wooden, metal, glass, aluminum and PVC door frames.

### Common Features

- ◆ Internal control circuits protect drop bolt pin from damage
- ◆ Auto lock function
- ◆ Built-in metal oxide varistor (MOV) for surge protection
- ◆ Time delay setting at 0/3/6/10 secs
- ◆ Low power consumption
- ◆ Anodised aluminum body case
- ◆ 1 year warranty

# PRODUCT INFORMATION

FES112 HIGH SECURITY ELECTRIC CUSTODIAL STRIKE



FES112

## FUNCTION

Installed into the door frame, the FES112 operates in conjunction with a mechanical high security, heavy duty Custodial type (or similar) deadlock. The extended dead bolt of the door lock is captured by the twin locking jaws of the FES112 Strike and is held securely until the strike receives an access or release signal from the control system. On operation of the FES112, the strike jaws are released and the door is ready to be pushed or pulled open with the door lock bolt still fully extended. The FES112 jaws remain in the open position until the door lock returns into the FES112 Strike, closing the jaws to re-lock the door.

## PRODUCT DESCRIPTION

The FES112 High Security Electric Custodial Strike is specifically designed for heavy duty high security applications where superior holding strength is required, such as detention centres, correctional facilities and the like. The Strike works in conjunction with a heavy duty double throw deadlock. With a holding force in excess of 1000kg, multiple monitoring functions and multi voltage compatibility the FES112 is the perfect solution for a variety of high security applications and a viable solution for either new or retrofit high security projects

PART No.	FES112
FUNCTION	Power to Lock (Fail Secure)
HOLDING FORCE	More than 1000kg
VOLTAGE/CURRENT	Multi Voltage 12-24VDC 12VDC, 1.5A in-rush, 380mA holding current 24VDC, 0.75A in-rush, 300mA holding current
MONITORING	Strike Jaw Lock Position Strike Plate Removed (Anti-Tamper Switch)
OPERATING TEMPERATURE	-20C to +60C
COMPATIBILITY	Lock Dead Bolt Dimension: Fully extended = 33-36mm Width = 10-17mm Height = 57-59mm

### Common Features

- ◆ Ultra high holding force in excess of 1000kg
- ◆ Full monitoring (strike jaws, lock position and face plate)
- ◆ Multi Voltage operation 12-24VDC
- ◆ Smart Electronics, one lock for several applications (Revisions)
- ◆ Fail Secure operation
- ◆ Body, high grade tooling steel hardened to 60 Rockwell
- ◆ Jaws, Molybdenum coated hardened steel

## PRODUCT INFORMATION

HIGH SECURITY STRIKE FES110 FOR DEAD-BOLT LOCKS



FES110 series

### PRODUCT DESCRIPTION

The FES110 series electric door strike release mechanism has been designed to provide door access control while maximising security to a door assembly fitted with square bolt deadlocks. The FES110 monitors both door lock tongue and internal locking of the strike. The device is supplied in 12VDC or 24VDC. 2 year warranty.

PART No.	FES30/12PTO FES30/24PTO	FES40/12PTR FES40/24PTR
FUNCTION	Power To Lock	Power To Release
HOLDING FORCE	Up to 500kg	
VOLTAGE/CURRENT	12VDC/900mA 24VDC/450mA	
APPROVALS	2 hour fire rated and S.C.E.C. Approved	
MONITORING	Lock bolt and locking solenoid	
SIZE	L= 320 x W= 32 x H= 56mm	
WEIGHT	1.8kg	
UNITS PER BOX	1 per box	

## PRODUCT INFORMATION

CABINET LOCK FCL0001



FCL0001

### PRODUCT DESCRIPTION

FCL0001 is suitable for surface mount installation on all types of cabinets, or lockers. The cabinet lock is designed to fit into cabinets and lockers with hinged or sliding doors from either the front or side of the door. The lock function is interchangeable between power to lock and power to release. The device is supplied in a dual voltage configuration, 12VDC or 24VDC. 5 year warranty.

PART No.	FCL0001
FUNCTION	Surface mount cabinet/locker electric lock
HOLDING FORCE	Up to 150kg
VOLTAGE/CURRENT	12VDC/190mA 24VDC/90mA
SIZE	L= 72.7 x W= 28.8 x D= 28.5mm
WEIGHT	0.16kg
UNITS PER BOX	100 sets per box (17kg)

# PRODUCT INFORMATION

STANDARD MAGNETIC DOOR HOLDER FIRE RATED

## PRODUCT DESCRIPTION

Fire and smoke door magnetic door holder, titanium alloy surface finished, elegant appearance. Installed on fire and smoke doors in projects where doors are required to be held in the open position for both pedestrian and general traffic, the devices have to be linked into a buildings fire/smoke alarm system. When an alarm occurs, power is removed from the devices and the doors are returned to the closed condition, preventing the spread of fire and/or smoke to other areas. The devices are fire tested to a rating of 4 hours and are supplied either 12 or 24VDC. Product is covered by 2 year warranty.

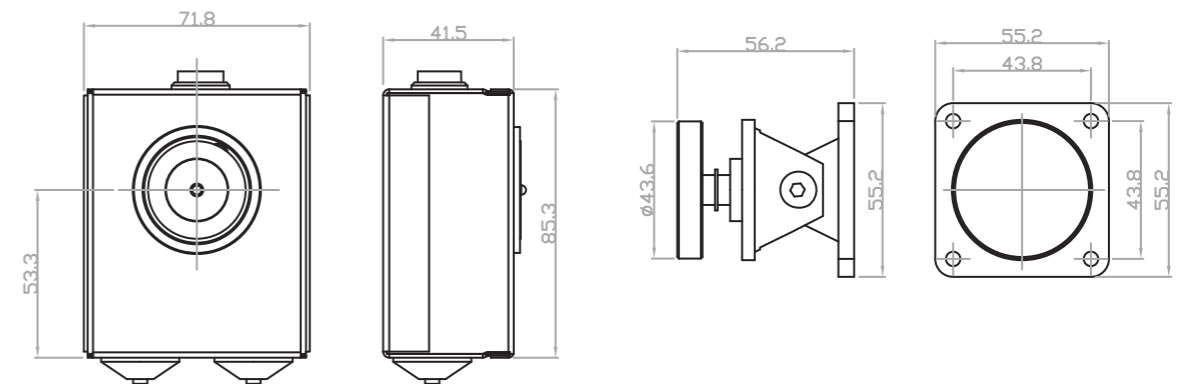


WALL MOUNT R40-12 R40-24

PART No.	R40-12(12Volt)	R40-24(24Volt)
FUNCTION	Wall mount electro magnetic door holder for fire and smoke doors	
HOLDING FORCE	Up to 25kg	
VOLTAGE/CURRENT	12VDC/160mA 24VDC/80mA	
SIZE	D= 41.5 x W= 71.8 x H= 85.3	
WEIGHT	0.46kg	
UNITS PER BOX	1 per box	

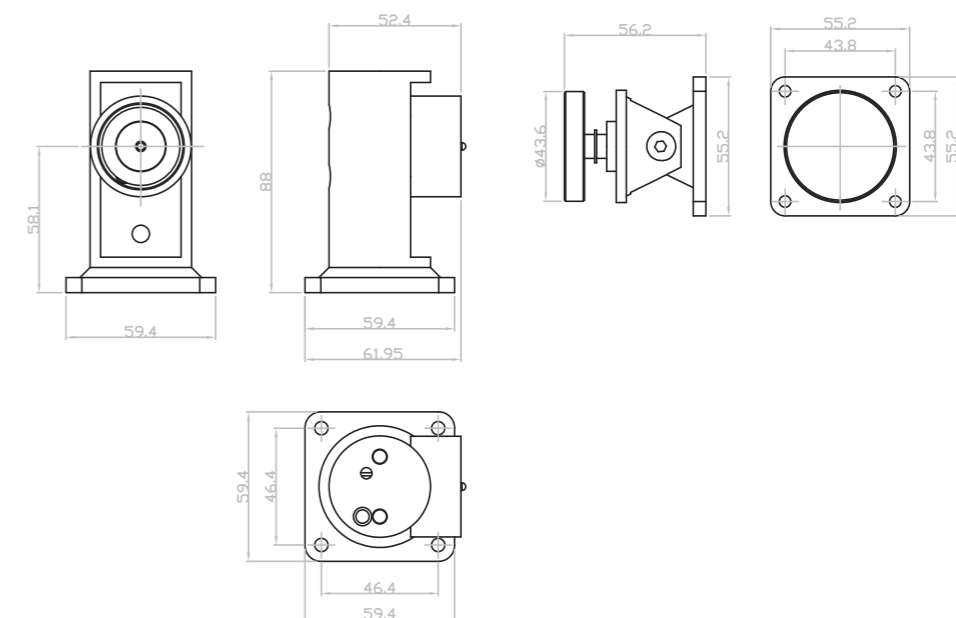
# PRODUCT INFORMATION

STANDARD MAGNETIC DOOR HOLDER FIRE RATED



FLOOR MOUNT R40PCV12 R40PCV24

PART No.	R40PCV12(12Volt)	R40PCV24(24Volt)
FUNCTION	Floor mount electro magnetic door holder for fire and smoke doors	
HOLDING FORCE	Up to 25kg	
VOLTAGE/CURRENT	12VDC/160mA 24VDC/80mA	
SIZE	D= 62 x W= 59 x H= 88mm	
WEIGHT	0.5kg	
UNITS PER BOX	16 per box (9kg)	



# PRODUCT INFORMATION

STANDARD MAGNETIC DOOR HOLDER FIRE RATED WITH EXTENSION

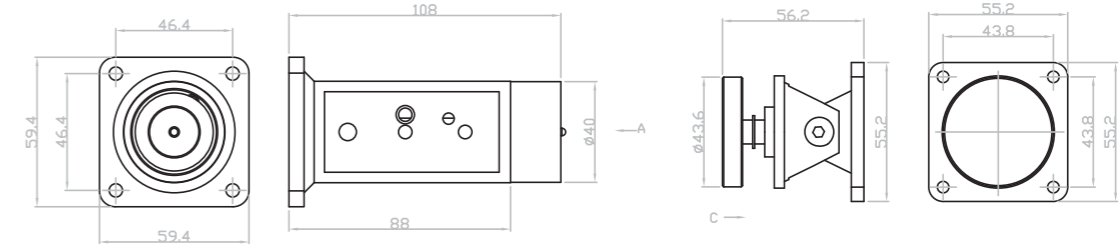


WALL MOUNT R40PCH12 R40PCH24

PART No.	R40PCH12(12Volt)	R40PCH24(24Volt)
FUNCTION	Wall mount extension type electro magnetic door holder for fire and smoke doors	
HOLDING FORCE	Up to 25kg	
VOLTAGE/CURRENT	12VDC/160mA 24VDC/80mA	
SIZE	H= 59 x W= 59 x D= 108mm	
WEIGHT	1kg	
UNITS PER BOX	1 per box	

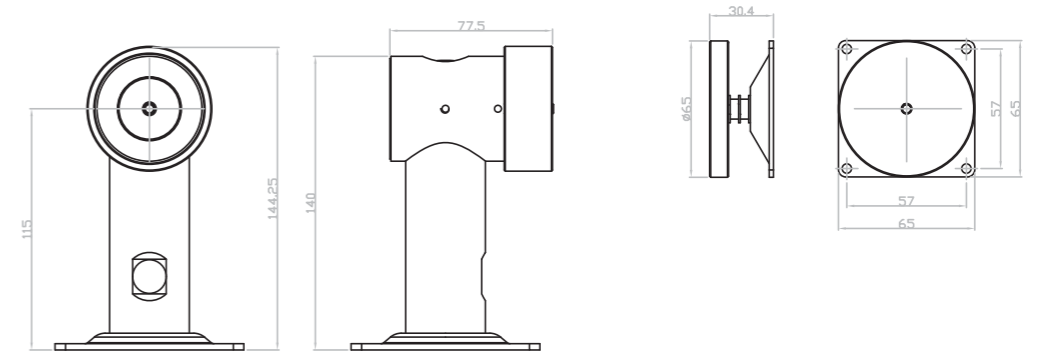
# PRODUCT INFORMATION

STANDARD MAGNETIC DOOR HOLDER FIRE RATED WITH EXTENSION

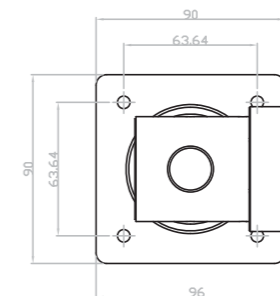
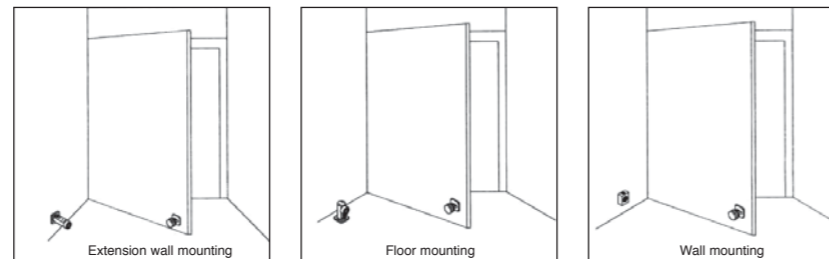


FLOOR MOUNT R60PCV12 R60PCV24

PART No.	R60PCV12(12Volt)	R60PCV24(24Volt)
FUNCTION	Floor mount electro magnetic door holder for fire and smoke doors	
HOLDING FORCE	Up to 60kg	
VOLTAGE/CURRENT	12VDC/180mA 24VDC/90mA	
SIZE	L= 60 x W= 108 x H= 60mm	
WEIGHT	0.81kg	
UNITS PER BOX	16 per box (14kg)	



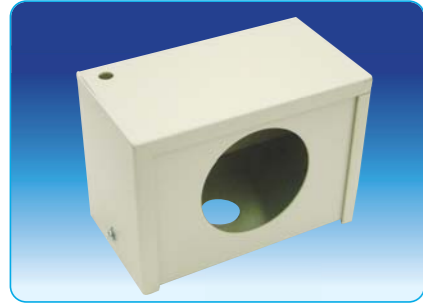
TYPE OF INSTALLATION





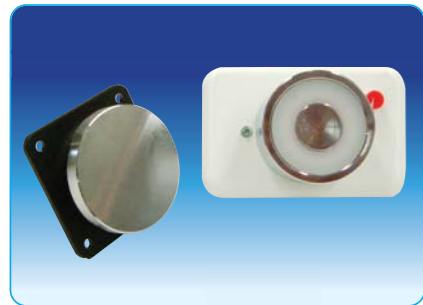
# PRODUCT INFORMATION

HEAVY DUTY MAGNETIC DOOR HOLDER FIRE RATED



FLOOR MOUNT BOX 35772 FOR MAGNET 35770/35771

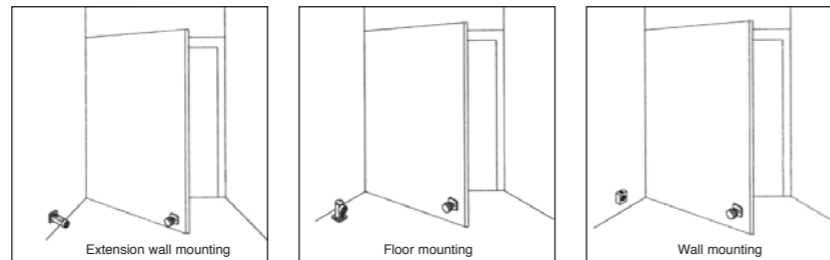
PART No.	35772
DESCRIPTION	Heavy duty floor mount door holder box, cream colour
TYPE OF MOUNT	Floor mount
SIZE	D= 67.5 x W= 115 x H= 84mm
WEIGHT	0.51kg
UNITS PER BOX	1 per box



WALL MOUNT 35770/35771

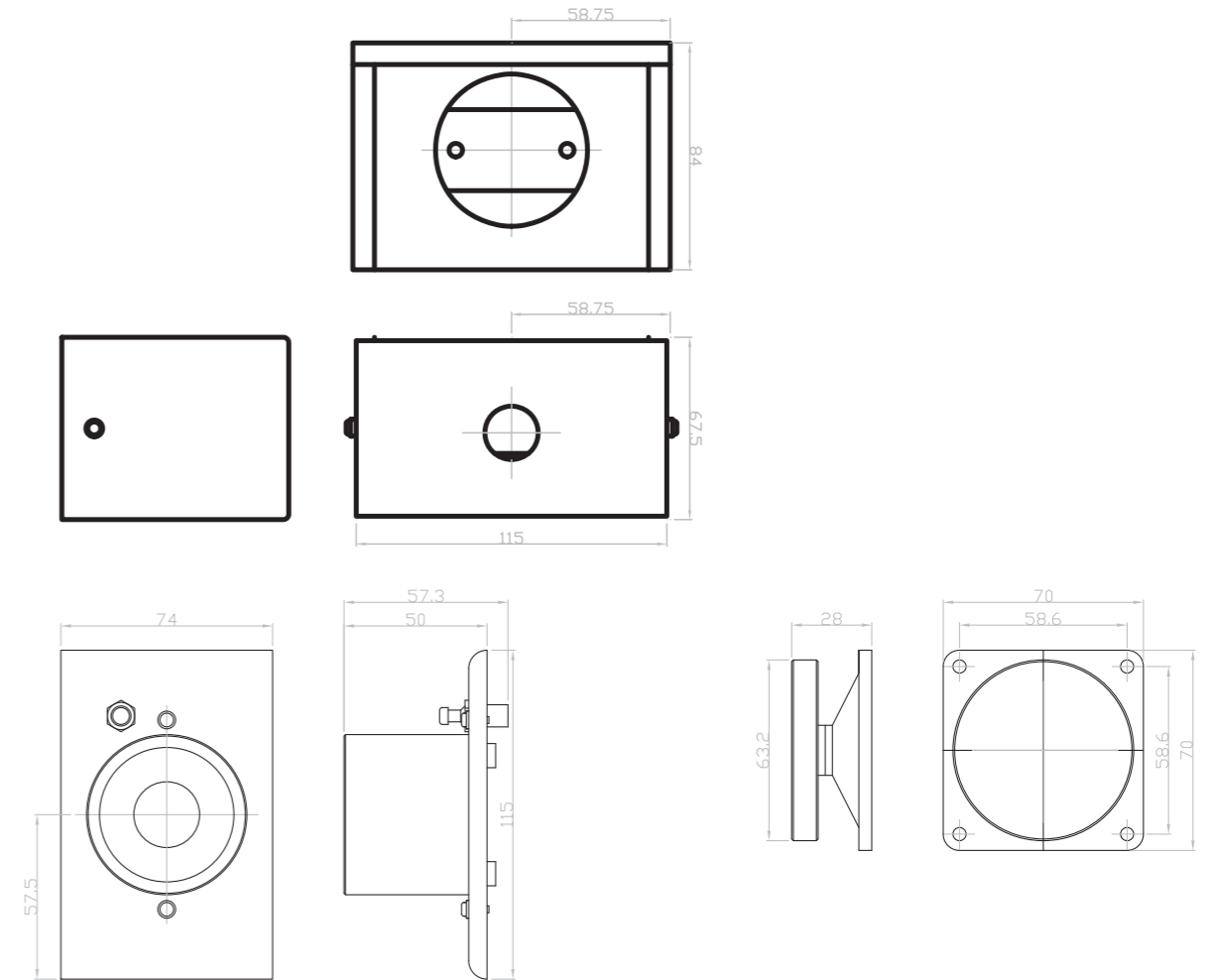
PART No.	35770	35771
FUNCTION	Heavy duty flush mount magnetic door with standard electrical box. Floor mount with 35772 box	
HOLDING FORCE	Up to 40kg	
VOLTAGE/CURRENT	12VDC/100mA	24VDC/50mA
SIZE	D= 50 x W= 74 x H= 115mm	
WEIGHT	0.86kg	
UNITS PER BOX	1 per box	

TYPE OF INSTALLATION



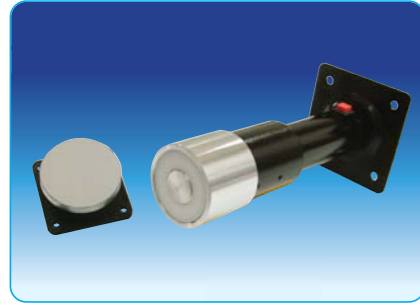
# PRODUCT INFORMATION

HEAVY DUTY MAGNETIC DOOR HOLDER FIRE RATED



# PRODUCT INFORMATION

HEAVY DUTY MAGNETIC DOOR HOLDER FIRE RATED WITH EXTENSION



**WALL MOUNT**  
 35770/150/S 35770/300/S  
 35771/150/S 35771/300/S

PART No.	35770/150/S	35771/150/S	35770/300/S	35771/300/S
FUNCTION	Heavy duty 150mm extension wall mount magnetic door holder		Heavy duty 300mm extension wall mount magnetic door holder	
HOLDING FORCE	Up to 40kg			
VOLTAGE/CURRENT	12VDC/100mA	24VDC/50mA	12VDC/100mA	24VDC/50mA
SIZE	D= 207 x W= 90 x H= 90mm		D= 355 x W= 90 x H= 90mm	
WEIGHT	1.3kg			
UNITS PER BOX	1 per box			

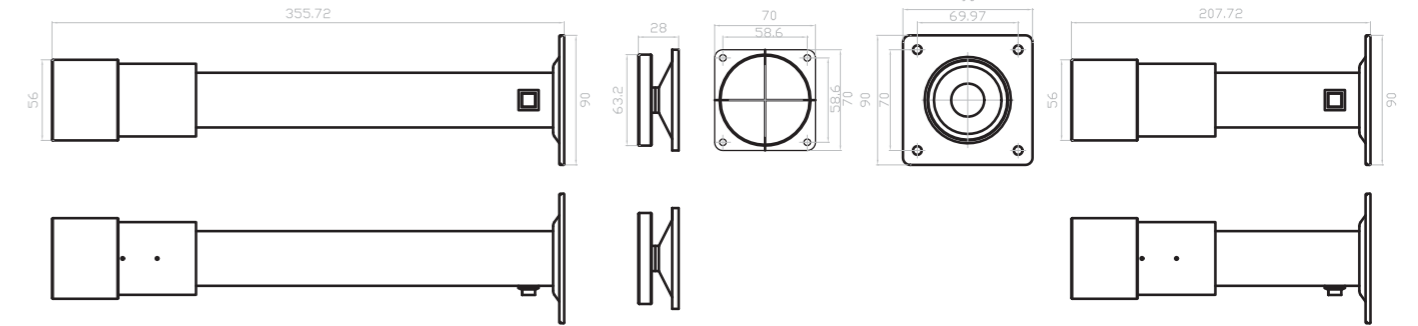


**FLOOR MOUNT**  
 35770/150/90 35770/300/90  
 35771/150/90 35771/300/90

PART No.	35770/150/90	35771/150/90	35770/300/90	35771/300/90
FUNCTION	Heavy duty 150mm 90° extension, wall & floor mount magnetic door holder		Heavy duty 300mm 90° extension, wall & floor mount magnetic door holder	
HOLDING FORCE	Up to 40kg			
VOLTAGE/CURRENT	12VDC/100mA	24VDC/50mA	12VDC/100mA	24VDC/50mA
SIZE	D= 117 x W= 90 x H= 176mm		D= 117 x W= 90 x H= 324mm	
WEIGHT	1.5kg			
UNITS PER BOX	1 per box			

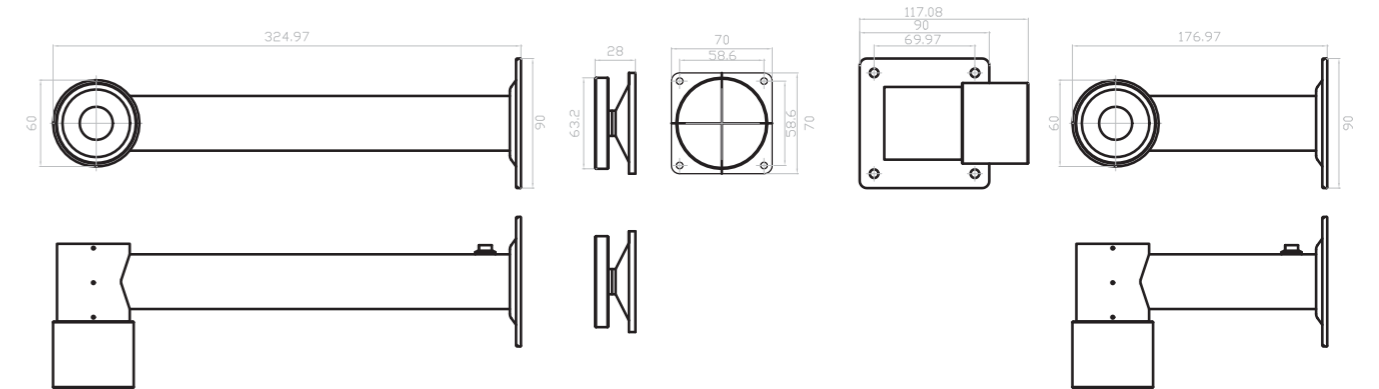
# PRODUCT INFORMATION

HEAVY DUTY MAGNETIC DOOR HOLDER FIRE RATED WITH EXTENSION



35770/300/S  
35771/300/S

35770/150/S  
35771/150/S



35770/300/90  
35771/300/90

35770/150/90  
35771/150/90

## PRODUCT INFORMATION

### EXIT PUSH BUTTONS AND FLEXIBLE CABLE LOOP



PB32

PART No.	<b>PB32</b>
DESCRIPTION	Exit push button switch, change over contacts, on anodised aluminium face plate, Australian Standard mounting plate
VOLTAGE/CURRENT	Up to 48VDC - 3Amp
SIZE	L= 32 x W= 75 x D= 6mm



PB70

PART No.	<b>PB70</b>
DESCRIPTION	Exit push button switch on anodised aluminium face plate, Australian Standard mounting plate
VOLTAGE/CURRENT	Up to 48VDC - 3Amp
SIZE	L= 70 x W= 114 x D= 6mm



JWL-8001

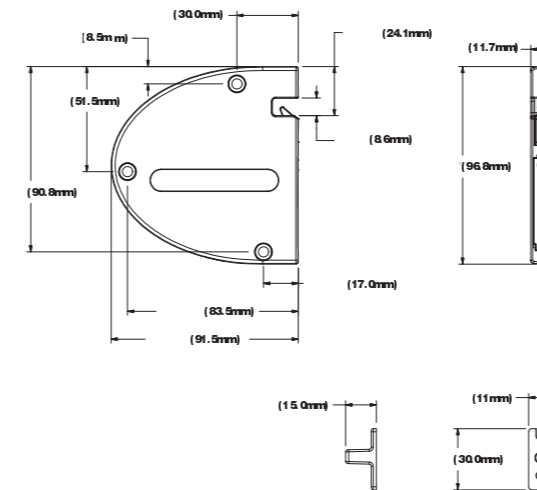
PART No.	<b>JWL-8001-30 300mm</b>
DESCRIPTION	High grade aluminum cap with stainless steel Flexible cable loop for control and alarm system cable links

## PRODUCT INFORMATION

### BATTERY OPERATED CABINET LOCK WITH i-BUTTON



3511



### PRODUCT DESCRIPTION

FSH Battery Operated Cabinet Lock 3511 Series "Lock-in-a-Box" makes installation easy by eliminating the need for a power source in situations where power is not available or difficult to acquire. The new 3511 battery operated cabinet lock comes ready for a variety of applications. Convenient built-in iButton® key management makes for easy programming, while the battery provides up to 350,000 operations (low battery warning included). With 180lbs (82kg) holding force this versatile cabinet lock is ideal for lockers, carts, displays and cabinets and other enclosures.

PART No.	<b>3511</b>
FUNCTION	Battery operated cabinet lock fail lock (fail secure)
HOLDING FORCE	Up to 82kgs
BATTERY	6V-J Cell alkaline battery Up to 350,000 operations Low battery warning with 50,000 operations remaining
OVERRIDE FEATURE	Mechanical emergency override function, in the event of lost key-fob
SIZE	D= 91.5 x W= 11.7 x H= 96.8mm
WEIGHT	TBA
UNITS PER BOX	1 per box

### Common Features

- ◆ iButton® key access control (up to 160 Users)
- ◆ Simplified key management for easy programming
- ◆ Suitable for both wood and metal
- ◆ Key fobs can be assigned and used on multiple 3511 cabinet locks
- ◆ Includes four different colored iButtons® for programming (add, delete, user and shadow key)
- ◆ 1 year limited warranty

## PRODUCT INFORMATION

### GEMINY HIGH SECURITY CYLINDER PROTECTION AND KEY-DEPOT



GEMINY High Security 'Cylinder Protector'

#### PRODUCT DESCRIPTION

Vandalism and modern so called sophisticated burglary methods spread over the internet and become increasingly a problem for security applications protected with common locking cylinders. With this in mind GEMINY was developed over 10 years ago, and is today proven technology.

The shield is located in front of the mortice lock's cylinder and protects the locking cylinder against intensive hostile attacks and any kind of manipulation with a 7mm thick hardened steel plate.

The Cylinder Protector product-line is currently the world market leader in protective fittings mounted on applications with either considerable quantities of cash or items of a relatively high value such as railroad ticket machines, vending machines, ATM etc. The module is also widely deployed within prison facilities, banks and numerous commercial applications. In access control applications, the GEMINY technology is used to protect the mechanical key-override mechanism from being compromised and the access control installation being bypassed.

#### Common Features

- ◆ Protection of locking cylinder from being compromised and vandalised
- ◆ Patented "Twin-Pin" technology
- ◆ 7mm tempered steel construction
- ◆ World wide applications and references



GEMINY High Security Key Depot 'Key Protector'

#### PRODUCT DESCRIPTION

Based on the same patented "Twin-Pin" locking technology the high security Key-Protector is a highly secure key-depot used to store building keys securely on the outside of a building. Applications for the Key-Protector are fire brigade, security guards, aged care, building and construction etc.

#### Common Features

- ◆ High security key depot for building keys
- ◆ Vandal proved
- ◆ Patented "Twin-Pin" technology
- ◆ 7mm tempered steel construction
- ◆ World wide applications and references
- ◆ Patented mechanical recoding in case of lost key-tag
- ◆ Purely mechanical solution
- ◆ Highest grade tooling steel
- ◆ Award winning product



An Australian owned company

[Issue 5: May 2011] // Product Photography by Vatche Evanian

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NEW GENERATION ELECTRIC AND ELECTRONIC LOCKING