

# access control

alpro®

*Commitment to  
Excellence*



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**20**  
YEARS  
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*Commitment to  
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Alpro Architectural Hardware is an independent supplier of both mechanical and electro-mechanical products to the UK commercial aluminium OEM marketplace and access control environment.

The Alpro product range comprises a variety of electro-mechanical products designed to meet the needs of the demanding access control market segment. Products include electric strikes, deadlocking bolts, shearlocks, cabinet locks, waterproof keypads and exit switches, to name but a few.

A variety of contemporary handle styles complement this impressive product portfolio, which are both hard wearing and aesthetically pleasing. The Alpro range also includes deadlocks, deadlatches, cylinders, concealed door closers, flushbolts, lever and paddle handles. All of which have been designed for the commercial aluminium door industry.

Alpro's location in Poole boasts substantial levels of stock, tailored to the fast response times expected of a quality supplier with Kan-Ban and JIT systems in place. Comprehensive internal and external sales and technical support is available to ensure the correct selection of product and application.

As a quality supplier of access control and door hardware products facilitating solutions to most access scenarios, Alpro has supplied products to a number of major organisations.



### Quality Policy

Our success is built on our ability to provide our customers with quality products and standards of service that meet or exceed their expectations.

We shall continue to be successful by:

- **Ensuring** that quality is everybody's responsibility
- **Maintaining** an environment in which teamwork and involvement results in continuous improvements in the way we work
- **Improving** our skills by effective training and development
- **Working** on our Quality Management System which meets ISO 9001:2008
- **Providing** our customers with the right products at the right time from our specialist suppliers.

The Managing Director is ultimately responsible for the implementation of this policy with the assistance of our Quality Manager who controls the reviews, audits and works to ensure the unfailing maintenance of our quality standards.

**Our policy is to provide an unrivalled service by getting it right first time and every time thereafter.**

# access control

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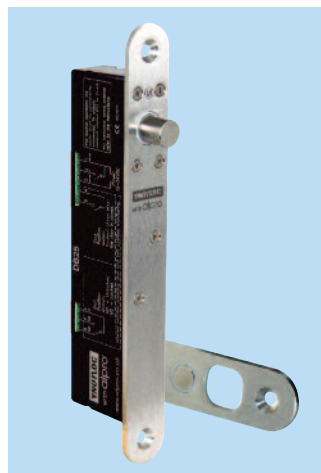
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# ANSI Electric Strike

## AL110

The Alpro AL110 series is an ANSI style security strike complete with stainless steel short or long faceplates for use in metal or timber door applications.

### 12/24v Selectable

### Stainless Steel Face Plate and Striker

### Holding Force

1,750kg (3,860lb) - factory tested

### Compact Cast Aluminium Body

35mm overall depth

### Deep Jaw

Accepts 13mm latch bolt

### Low Current Consumption

200mA - 12v DC continuous ( $\pm 15\%$ )

100mA - 24v DC continuous ( $\pm 15\%$ )

### Simple Fail Safe/Fail Secure Changeover

### Easy Installation

Stick on/Peel off template

### Monitored and lipless versions available

### Weather Resistant - IP56 Protection as Standard

### Options

ANSI short and ANSI long faceplates

Extension lips – 15, 25, 50 and 75mm (pre-drilled strike body)

### Spares

Replacement changeover pin

### Approvals

CE – BS EN 50081-1 and BS EN 50082-1

### AC Compatibility (with RM1)

The Rectifier Sounder Module enables operation with AC voltages.

The sounder can be set for either buzzing or silence with both AC and DC voltages.

The IEC RM1 unit is continuously rated – max 1 amp.



COMPANY	MODEL	COMPANY	MODEL
<b>Accepts 13mm latch bolt when fitted with 3mm door gap</b>		<b>Accepts 13mm latch bolt when fitted with 3mm door gap</b>	
<b>Adams-Rite</b>	4710, 4720, 4750	<b>Legge</b>	8767, 8157N, E900
<b>ASEC</b>	AS1094, AS1095	<b>Union</b>	2332, 2341, 2349, 2370, 2379
<b>ASSA</b>	3059, 3061, 3062, 8516, 8517, 8518, 8519, 8760, 8761, 8762, 8764	<b>Viro</b>	8516, 8517, 8518, 8519
<b>Chubb</b>	3R35	<b>Yale</b>	3600, 3610, 4103, 6025, 6070

DESCRIPTION	FUNCTION	CODE
12/24vDC ANSI Short SS Strike including mounting kit	Fail Safe/PTL	<b>AL111AS</b>
12/24vDC ANSI Short SS Strike including mounting kit	Fail Secure/PTO	<b>AL112AS</b>
12/24vDC ANSI Long SS Strike including mounting kit	Fail Safe/PTL	<b>AL111BS</b>
12/24vDC ANSI Long SS Strike including mounting kit	Fail Secure/PTO	<b>AL112BS</b>
For monitored version add -M to code e.g. AL111AS-M		
For lipless version add -O to code e.g. AL111AS-O		

ACCESSORIES	CODE
15mm Extension Lip	<b>ALEX1115</b>
25mm Extension Lip	<b>ALEX1125</b>
50mm Extension Lip	<b>ALEX1150</b>
75mm Extension Lip	<b>ALEX1175</b>
Rectifier Sounder Module	<b>IEC-RM1</b>

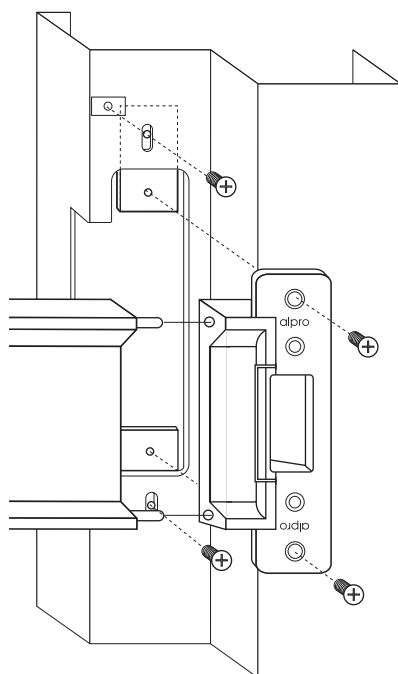
Illustrated AL110 ANSI short metal door preparation

(BS) ANSI long faceplate 200 x 35

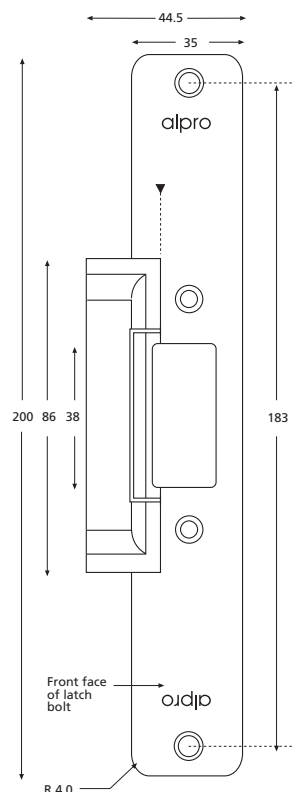
(AS) ANSI short faceplate 124 x 31

15, 25, 50 & 75mm Extension Lips are available as extras

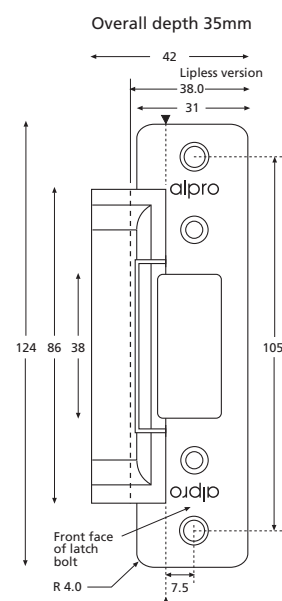
Note: For detail of installation see instructions/ template



(BS) ANSI Long Faceplate



(AS) ANSI Short Faceplate



# monitored electric strike

## AL2000

The Alpro AL2000 series high security monitored strikes are designed for timber and metal door applications.

### 12/24v Selectable

### High Security

Stainless steel one part body and striker

### Holding Force

1,380kg (3,000lb) - factory tested

### Monitoring

Latch and door monitoring

Anti-tamper monitoring

### Compact Shallow Body

26mm overall depth

### Fixing Tab Options

Single fixing for metal

### Low Current Consumption

220mA - 12v DC continuous ( $\pm 15\%$ )

110mA - 24v DC continuous ( $\pm 15\%$ )

### Simple Fail Safe/Fail Secure Changeover

### Easy Installation

Stick on / peel off template

### Weather Resistant - IP56 Protection as Standard

### Options

Unmonitored version available

Extension lips – 15, 25, 50 and 75mm (pre-drilled strike body)

### Spares

Replacement changeover pin

### Approvals

CE – BS EN 50081-1 and BS EN 50082-1

### AC Compatibility (with RM1)

The Rectifier Sounder Module enables operation with AC voltages.

The sounder can be set for either buzzing or silence with both AC and DC voltages.

The IEC RM1 unit is continuously rated – max 1 amp.



# Lock Compatibility/Ordering Information/Specifications

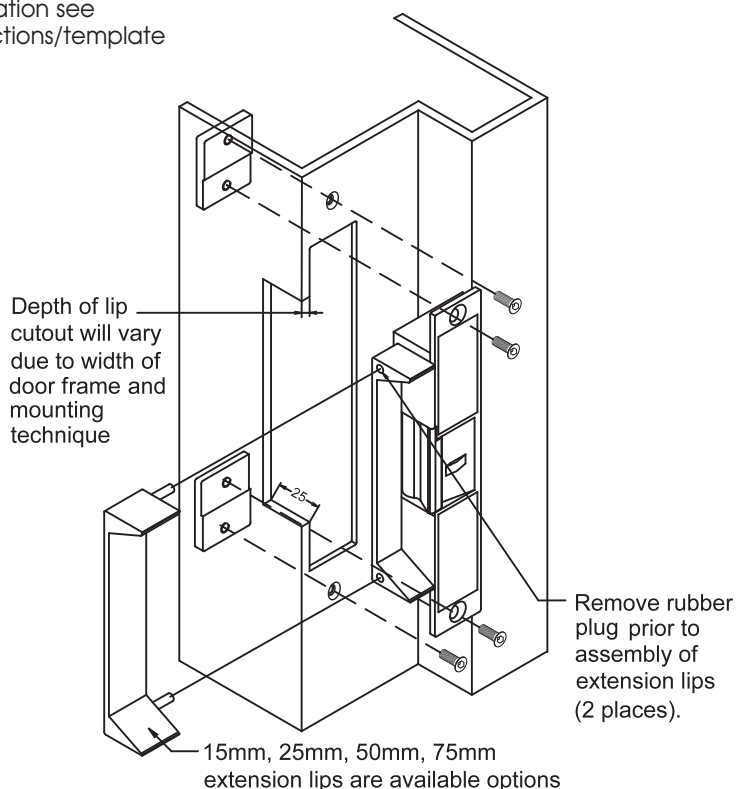


COMPANY	MODEL	COMPANY	MODEL
<b>Accepts 15mm latch bolt when fitted with 3mm door gap</b>			
<b>Adams-Rite</b>	4710, 4720, 4750	<b>Legge</b>	8767, 8157N, E900
<b>ASEC</b>	AS1094, AS1095	<b>Union</b>	2332, 2341, 2349, 2370, 2379
<b>ASSA</b>	3059, 3061, 3062, 8516, 8517, 8518, 8519, 8760, 8761, 8762, 8764	<b>Viro</b>	8516, 8517, 8518, 8519
<b>Chubb</b>	3R35	<b>Yale</b>	3600, 3610, 4103, 6025, 6070

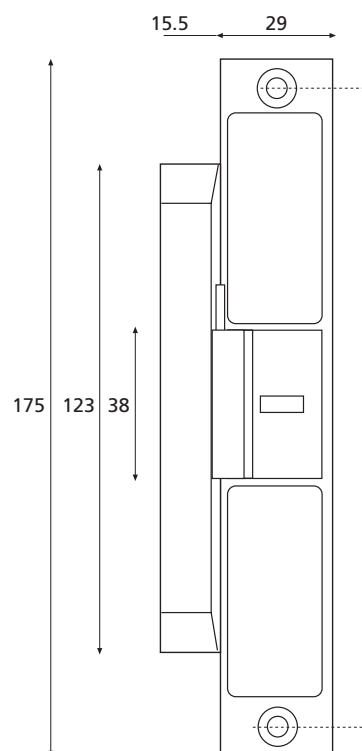
DESCRIPTION	FUNCTION	CODE
12/24vDC Monitored Strike including mounting kit	Fail Safe/PTL	<b>AL2001</b>

ACCESSORIES	CODE
15mm Extension Lip	<b>ALEX2015</b>
25mm Extension Lip	<b>ALEX2025</b>
50mm Extension Lip	<b>ALEX2050</b>
75mm Extension Lip	<b>ALEX2075</b>
Rectifier Sounder Module	<b>IEC-RM1</b>

Note: For detail of installation see instructions/template



AL2000  
Overall depth 26mm



# RIM electric strike

## AL150

The Alpro AL150 series security rim strikes are designed for use with the majority of popular rim latches used on timber door applications.

### 12/24v Selectable

### Stainless Steel Striker

### Holding Force

750kg (1,680lb) - factory tested

### Low Current Consumption

200mA - 12v DC continuous ( $\pm 15\%$ )

100mA - 24v DC continuous ( $\pm 15\%$ )

### Simple Fail Safe/Fail Secure Changeover

### Compact Cast Aluminium Body

Enclosed in one-part case

### Easy Installation

Stick on/peel off template

### Finish

Black polyester powder paint

### Options

Monitored version available

### Weather Resistant - IP56 Protection as Standard

### Spares

Replacement changeover pin

### Approvals

CE - BS EN 50081-1 and BS EN 50082-1

### AC Compatibility (with RM1)

The Rectifier Sounder Module enables operation with AC voltages.

The sounder can be set for either buzzing or silence with both AC and DC voltages.

The IEC RM1 unit is continuously rated – max 1 amp.





# Lock Compatibility/Ordering Information/Specifications

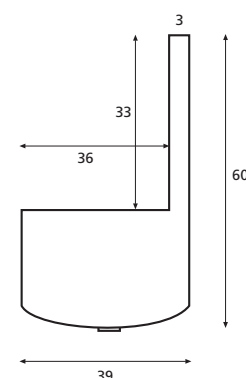
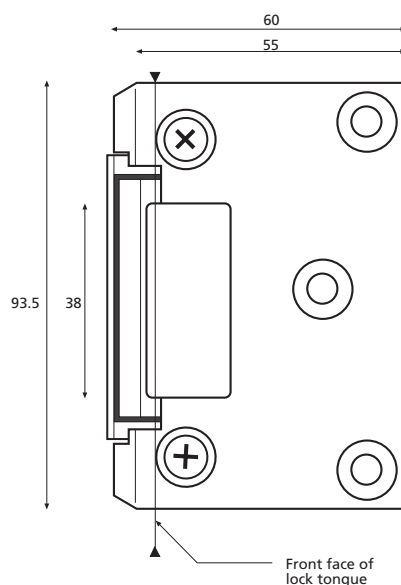
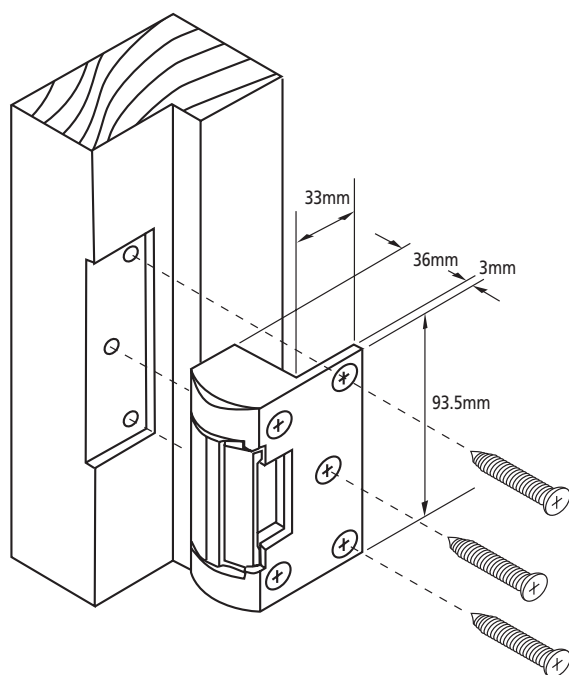


COMPANY	MODEL	COMPANY	MODEL
<b>Accepts 12mm latch bolt when fitted with 3mm door gap</b> <b>Chubb</b>	Narrow style 4L73	<b>Accepts 12mm latch bolt when fitted with 3mm door gap</b> <b>Union</b>	Narrow style 1027, 1047, 1097
	Standard style 4L74		Standard style 1022, 1026, 1028, 1048, 1098
	Traditional style 4L75	<b>Yale</b>	Narrow style 84, 706, No.2
	66, 707, 727		Standard style 77, 88, 90, 91, No.1

DESCRIPTION	FUNCTION	CODE
12/24vDC Rim Strike	Fail Safe/PTL	<b>AL151</b>
12/24vDC Rim Strike	Fail Secure/PTO	<b>AL152</b>

ACCESSORIES	CODE
Rectifier Sounder Module	<b>IEC-RM1</b>



# rectifier sound module

## RM1

Enables Alpro strikes to operate with AC systems.

Enables use of quality strike at greatly reduced current consumption over dedicated AC strikes.

**Only for use with product with maximum current load of 1 amp. Not solenoid bolts or shearlocks for example.**

### RM1 continuously rated

#### Switchable buzzer

Buzzer function available on DC - on/off.  
Allows for silent operation on AC.

#### Power

Input voltage range is 12-24v AC +/- 15%

There is no polarity on the AC input

Output will always be lower than the input by 10% approximately. If you require 12v DC output ensure input is at least 13v AC. Standard voltmeters will show the output voltage as lower, this is because the output is not smoothed which will create false readings on your meter.

#### Current Load

Maximum current load is 1 amp (1000mA).

#### Sounder

The sounder will sound whenever an input voltage is present, if this is not required remove the link located next to the sounder. Store the link on the pin, in case you change your mind and need it later.

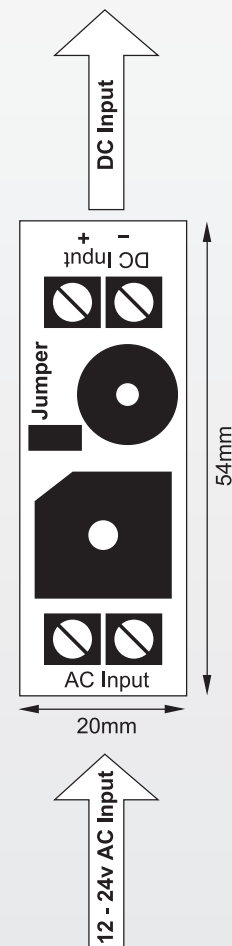
#### Location

This RM1 Rectifier is not designed to work in damp environments; **and MUST BE protected from moisture**. If this is not possible at the device end of the circuit, the PCB must be removed to a dry position near the AC power source. The exact location of the PCB is not critical; the voltage output will not change significantly.

#### DC Input

This product will accept a DC input if you only wanted to use the sounder function. There is still no polarity on the input and the output polarity will always be as shown.

**PATENTED**



#### DESCRIPTION

#### CODE

Rectifier Sounder Module for AC operation IEC-RM1

# electric bolts

## Selection Chart

	Slimline Security	Key Override	Slimline Security	Key Override	Latching Bolt	Security	Mini Security
Holding Force kg	1,000	1,000	1,000	1,000	1,000	-	-
Deadlocking	-	-	✓	✓	✓	-	-
Bolt material	SS	SS	SS	SS	SS	SS	SS
Bolt throw mm	15.5	14	16	16	16	15	13
Bolt diameter mm	14	14	12.7	12.7	12.7	15	12
Face plate material	SS	SS	SS	SS	SS	ALI	SS
Face Plate width mm	25	25	25	25	25	34/38	22
Overall dimension mm							
Length	210	230	210	280	210	203	150
Width	25	25	25	25	25	34/38	22
Depth	45	45	42	42	42	38	30
Back box dimension mm							
Length	160	180	164	230	164	167	118
Width	22	22	22	22	22	28	20
Depth	42	42	39	42	39	34	27
Current @ 12vDC							
Activate	740mA	740mA	1100mA	1100mA	1100mA	1000mA	700mA
Hold (after 200ms) *8 secs	120mA	120mA	210mA	210mA	160mA	250mA	100mA
Current @ 24vDC							
Activate	440mA	440mA	1000mA	1000mA	1000mA	-	-
Hold (after 200ms)	70mA	70mA	90mA	90mA	90mA	-	-
Monitoring							
Bolt position indicator	✓	✓	✓	✓	✓	✓	-
Door position switch	✓	✓	✓	✓	✓	✓	✓
Access Control Module							
Auto unlock period 8 secs	-	-	✓	✓	✓	-	-
Multiple relocking - 9 attempts over 16 secs	-	-	✓	✓	✓	-	-
Auto lock time delay – zero, 3, 6 or 9 secs)	✓	✓	✓	✓	✓	✓	✓
Surface Mount Kit	SS	-	SS	SS	SS	STEEL	SS
CE Approved	✓	✓	✓	✓	✓	✓	✓
Guarantee	3 years	3 years	5 years	5 years	5 years	3 years	3 Years
SERIES REF	EB250	EB250KO	DB25	DB25KO	DB25L	EB1001	EB501

# electric bolt

## EB1001

The Alpro EB1001 Electric Bolt allows for remote access and exit control of most timber, metal and UPVC Doors. It is suitable for sliding or swing, single and double action operations. It can be fitted in the frame or in the door and comes with plug in LED Bolt indicator as standard.

### Function

Fail Open/Power to Lock

### Construction

Stainless steel bolt (15mm diameter and throw) and strike plate provide secure locking. A stainless steel dress plate is provided to cover the brushed aluminium faceplate.

### Electrical Features

Voltage	12v DC $\pm$ 15%
Activating current	1000mA
Holding current	250mA
Continuously rated solenoid	
Fully protected against transient & reverse polarity	

### Monitoring

Door position switch  
Bolt position indicator

### Versatile Installation

Designed to provide concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting.

### Auto Relock Function

Can be set for 0,3,6 or 9 seconds

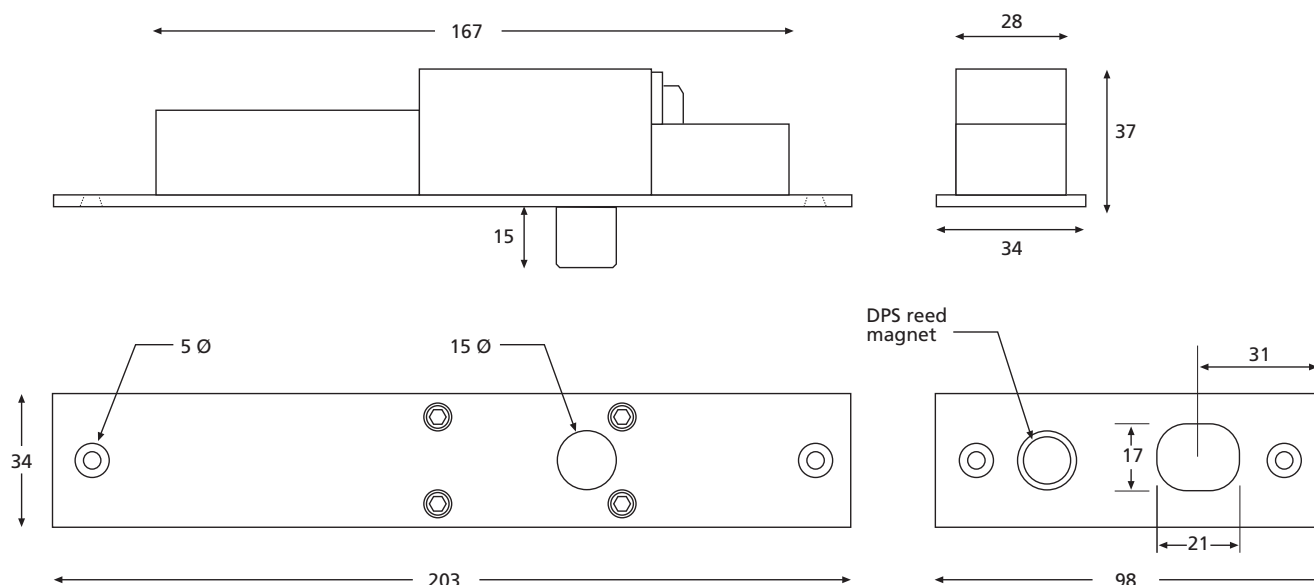
### Accessories

Surface mounting kit in chromated steel

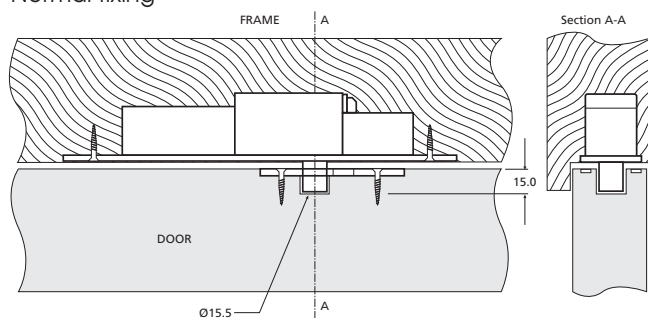




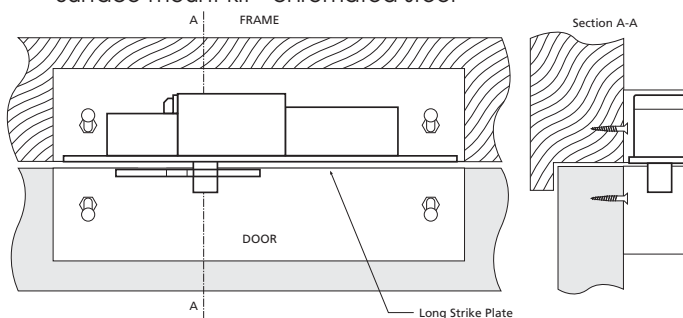
DESCRIPTION	FUNCTION	CODE
Electric bolt 12v DC	Fail Open / PTL	EB1001/34MM/R1
ACCESSORIES	FINISH	CODE
Surface Mounting Kit	Chromated steel	EB1001/SMHKIT 34MM



Normal fixing



Surface mount kit - chromated steel



Housing dimensions 228mm(L) x 38mm(W) x 42mm(D)

# solenoid bolt

## Slimline - EB250 & EB250KO

The Alpro EB250 & EB250KO key override bolts allow for both remote access and exit control of most timber, metal and UPVC doors. It is also suitable for sliding or swing, single or double action operations. It can be fitted in the frame or in the door. With concealed mortise mounting and slimline styling the bolts suit most narrow stile aluminium doors and narrow profile joinery.

### High Physical Security

Holding force 1,000kg - Bolt throw 14mm

### Robust Construction

All stainless steel bolt of 14mm diameter, linkages and springs. 3mm stainless steel faceplate and strike plates with fully enclosed mechanism.

### Versatile Installation

Designed to provide concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting.

### Slimline Dimensions

EB250	210mm(L) x 25mm(W) x 43mm(H)	
Back box	160mm(L) x 22mm(W) x 40mm(H)	
EB250KO	230mm(L) x 25mm(W) x 43mm(H)	
Back box	180mm(L) x 22mm(W) x 40mm(H)	

### Faceplates

Radius

### Multiple Voltage Input

Any voltage from 12v DC/24v DC. Complete with built in transient and reverse polarity protection and continuously rated solenoid.

### Low Current Consumption

Volts	Current - Activate	Current - Hold
12v DC	740mA	120mA
24v DC	440mA	70mA

### Auto Relock Function

Can be set to 0, 3, 6 or 9 seconds (DIP switch)

### Monitoring

EB250 - Dual monitoring

Door position switch/bolt position switch

EB250KO - Triple monitoring

Door position switch/bolt position switch/key position switch



### Maintained Key Override (EB250KO only)

Using standard Euro profile cylinder case pierced both sides for operation either side.

## DESCRIPTION

12-24VDC Radius Cover Faceplate  
12-24VDC Key Override Radius Cover Faceplate

## FUNCTION

Fail Safe/PTL  
Fail Secure/PTO

## CODE

**EB-250/PTL**  
**EB-250KO/PTO**

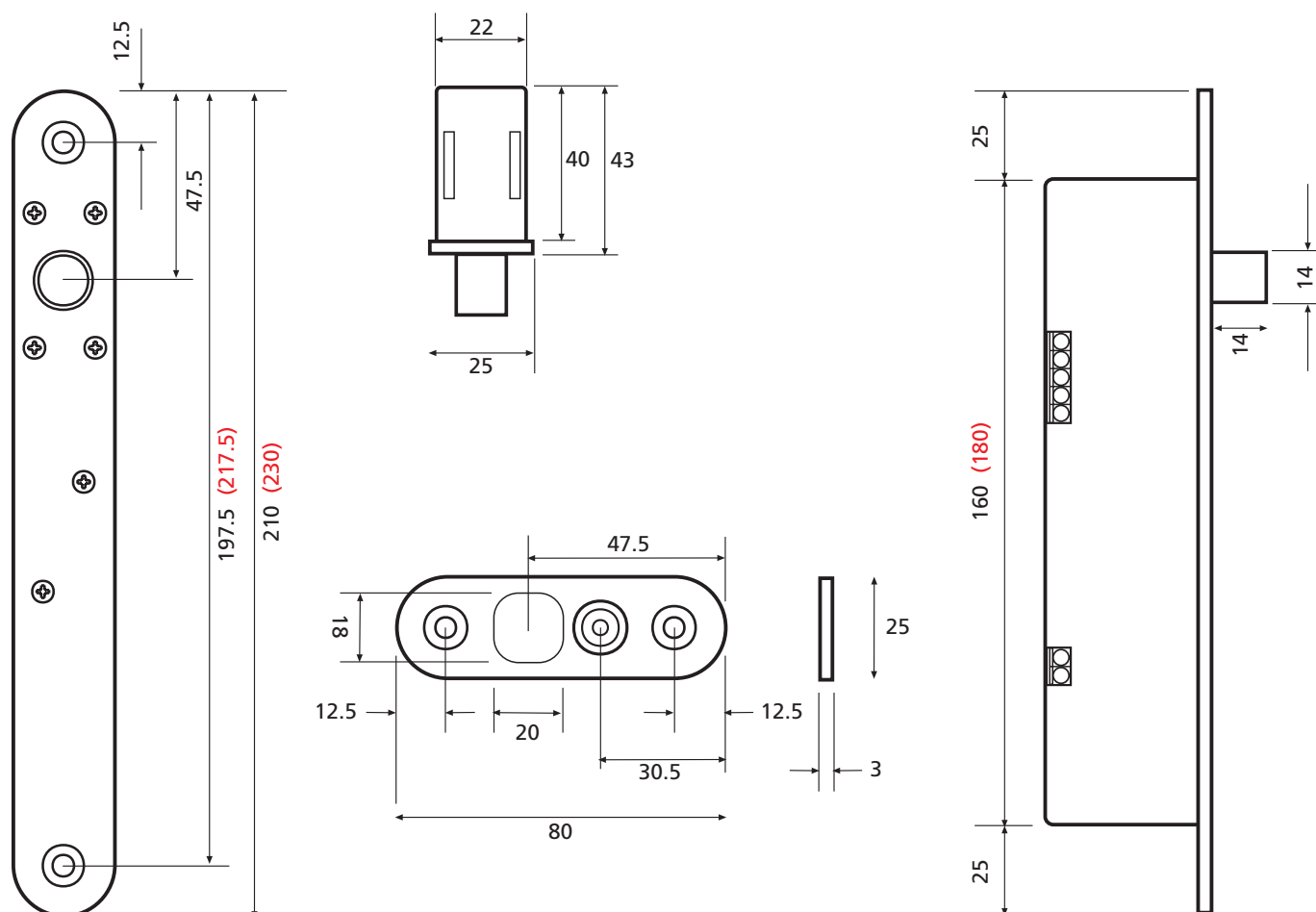
## ACCESSORIES

Glass mounting bracket for EB250 (frameless door)  
Glass SMK dress plates (2) for EB250  
Short strike plate with square hole for EB250  
Surface mounting kit for EB250 (Stainless Steel)  
Short strike plate with square hole for EB250KO

**EB-250/GMB**  
**EB-250/SMK-DP**  
**EB-250/SHORT**  
**EB-250/SMH-KIT**  
**EB-250KO/SHORT**

Dimensional drawings shown are for the EB250

Dimensions for EB250KO model are shown in red where different.



# deadlocking bolt

## Slimline - DB25

The Alpro DB25 incorporates the latest design innovations to be applied to the manufacture of a transverse action Deadlocking Solenoid Bolt. This Ultra-slim design enables fixing into very narrow sections whilst an advanced microprocessor module provides power reduction allowing for continuous operation without heat generation as well as automatic voltage regulation, dual monitoring and access control features.

### High Physical Security

Holding force 1,000kg - automatic deadlocking  
Bolt throw 16mm

### Robust Construction

All stainless steel bolt of 12.7mm diameter, linkages and springs. 3mm stainless steel faceplate and strike plates with fully enclosed mechanism.

### Versatile Installation

Designed to provide concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting.

### Slimline Dimensions

210mm(L) x 25mm(W) x 42mm(D)

Back box 164mm(L) x 22mm(W) x 39mm(D)

### Faceplates

Radius

### Multiple Voltage Input

Any voltage from 12v DC -10% to 24v DC +15%. Complete with built in transient and reverse polarity protection and continuously rated solenoid.

### Low Current Consumption

Volts	Current - Activate	Current - Hold (after 200ms)
12v DC	1100mA	210mA
24v DC	1000mA	90mA

### Dual Monitoring

Bolt and Door position switches



DB38 - 38mm deadlocking bolt is also available

### Built-in Access Control Module

Automatic unlock period - 8 seconds  
Multiple auto relock function - PTL  
Multiple unlock function - PTO

### Accessories

Stainless steel surface mount kit

### Approvals

CE - BS EN 50081-1 and BS EN 50082-1



## Built-in Access Control Module

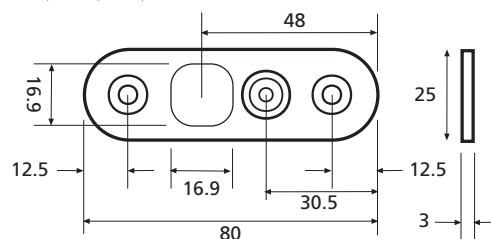
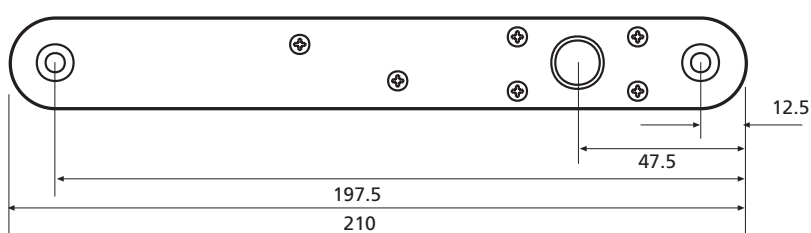
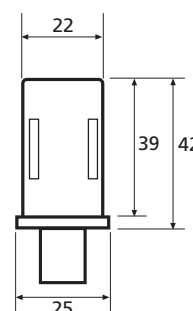
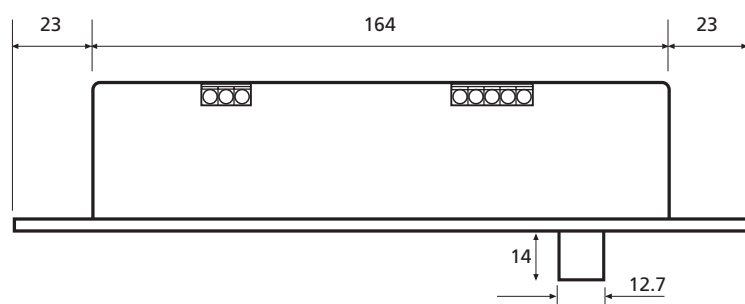
Automatic unlock period - a fixed 8 second period operates once the bolt is signalled to unlock. This enables traffic exiting 8 seconds in which to open the door before it automatically relocks. See Anti-Tailgate.

Multiple auto relock function - when relocking the bolt makes 8 locking attempts over 16 seconds. Change in the Bolt Position Switch status indicates that the door has been locked. Fail open models only.

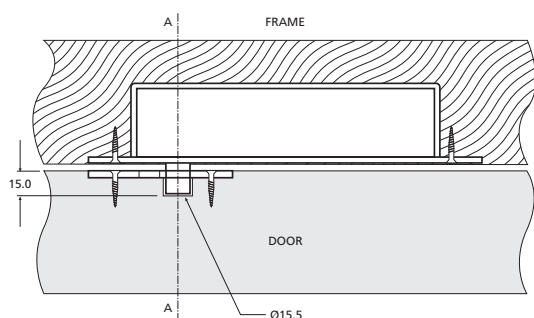
Multiple unlock - in fail secure mode - 5 attempts to unlock door at 1.6 second intervals.

Anti-Tailgate - once the door has been pushed open and closed during the 8 second unlock period, the bolt will immediately relock.

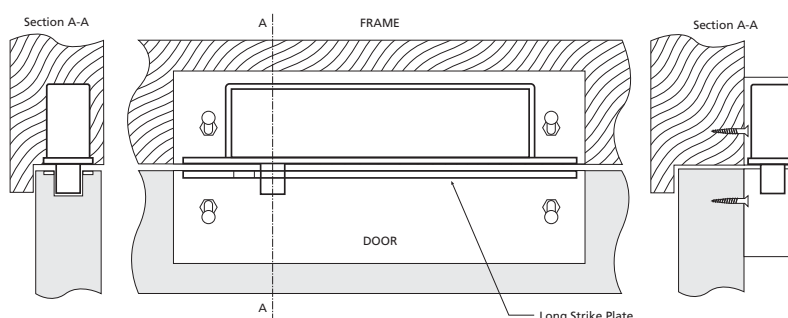
DESCRIPTION	FUNCTION	CODE	FUNCTION	CODE
Slimline Solenoid Bolt 12/24v DC	Fail Open - Power to Lock	<b>DB25 PTLOCK</b>	Fail Secure - Power to Open	<b>DB25 PTOPEN</b>
Solenoid Bolt 38mm faceplate 12/24v DC	Fail Open - Power to Lock	<b>DB38 PTLOCK</b>	Fail Secure - Power to Open	<b>DB38 PTOPEN</b>
ACCESSORIES	FINISH	CODE		
Surface Mounting Kit	Stainless steel	<b>DB25/SMH-KIT</b>		



Normal fixing



Surface mount kit - stainless steel



Housing dimensions 225mm(L) x 27.4mm(W) x 46.5mm(D)

# deadlocking bolt

## Slimline - Key Override DB25KO

The Alpro DB25KO key override model offers the same functionality as the standard DB25 with provision for a Euro profile cylinder as a means of mechanical override. The ultra-slim design of the DB25KO enables fixing into very narrow sections. An advanced microprocessor module provides power reduction allowing continuous operation without heat generation as well as automatic voltage regulation, dual monitoring and access control features.

### High Physical Security

Holding force 1,000kg - automatic deadlocking  
Bolt throw 16mm

### Robust Construction

All stainless steel bolt of 12.7mm diameter, linkages and springs. 3mm stainless steel faceplate and strike plates with fully enclosed mechanism.

### Maintained Key Override

Using standard Euro profile cylinder case pierced both sides for operation either side.

### Versatile Installation

Designed to provide concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting.

### Slimline Dimensions

280mm(L) x 25mm(W) x 42mm(D)

Back box 230mm(L) x 22mm(W) x 42mm(D)

### Faceplates

Radius

### Multiple Voltage Input

Any voltage from 12v DC -10% to 24v DC +15%.  
Complete with built in transient and reverse polarity protection and continuously rated solenoid.

### Low Current Consumption

Volts	Current - Activate	Current - Hold (after 200ms)
12v DC	1100mA	210mA
24v DC	1000mA	90mA



### Triple Monitoring

Bolt, Door and Key position switches

### Built-in Access Control Module

Automatic unlock period - 8 seconds

Multiple auto relock function - PTL - 8 times

Multiple unlock function - PTO - 5 times

### Accessories

Stainless steel surface mount kit

### Approvals

CE - BS EN 50081-1 and BS EN 50082-1

## Built-in Access Control Module

Automatic unlock period - a fixed 8 second period operates once the bolt is signalled to unlock. This enables traffic exiting 8 seconds in which to open the door before it automatically relocks. See Anti-Tailgate.

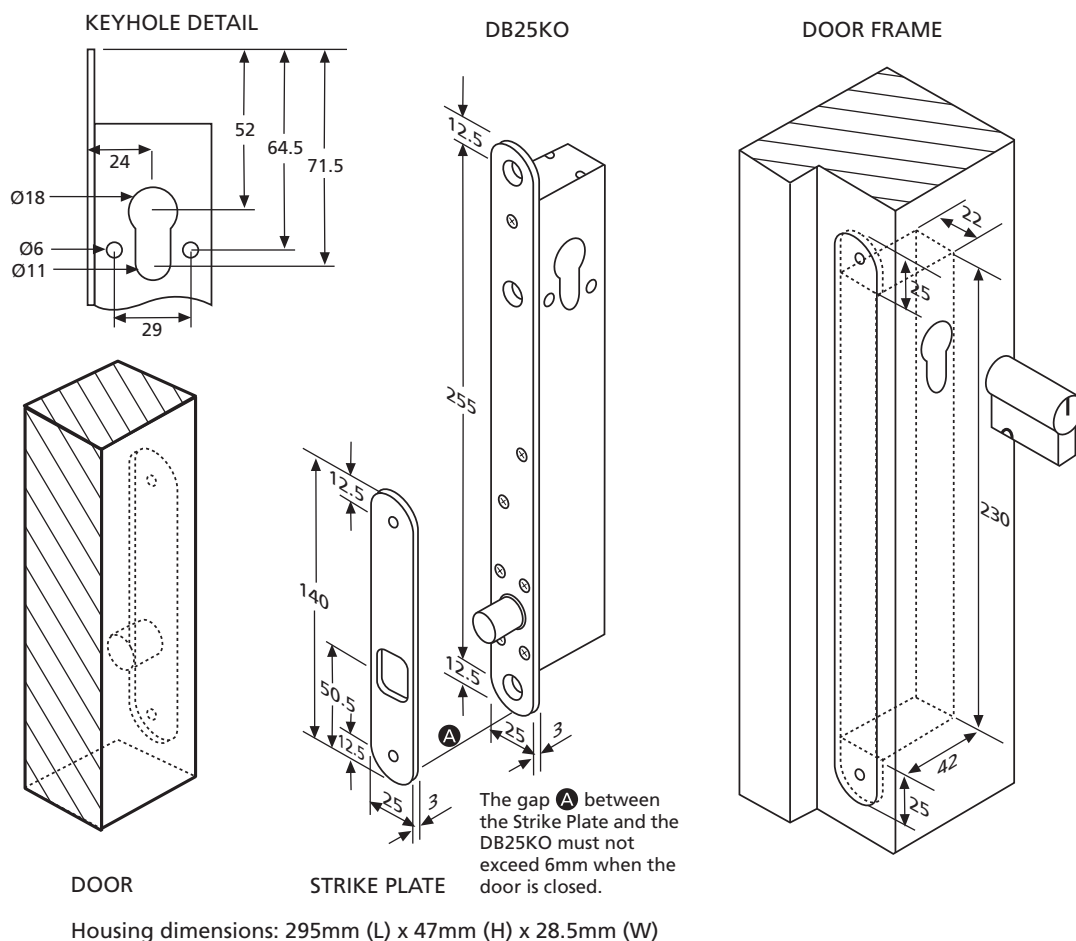
Multiple auto relock function - when relocking the bolt makes 8 locking attempts over 16 seconds.

Change in the Bolt Position Switch status indicates that the door has been locked. Fail open models only.

Multiple unlock - in fail secure mode - 5 attempts to unlock door at 1.6 second intervals.

Anti-Tailgate - once the door has been pushed open and closed during the 8 second unlock period, the bolt will immediately relock.

DESCRIPTION	FUNCTION	CODE
12/24v DC	Fail Open - Power to Lock	DB25KO PTLOCK
12/24v DC	Fail Secure - Power to Open	DB25KO PTOPE
ACCESSORIES		CODE
Surface Mounting Kit - Surface Mount Housing/Surface Mount Strike Box/ Long Strike Plate (stainless steel)		DB25KO/SMH-KIT DB25KO/SMK-DP DB25KO/LONG 5224 5222
Extras for glass applications - Kit comprises 2 stainless steel Dress Plates		
Long Strike Plate - Replacement		
Half Euro Profile Cylinder   Keyed Alike 40mm		
Half Euro Profile Cylinder   Keyed Differ 40mm		



# deadlocking latching bolt

## DB25L

The Alpro DB25L incorporates a unique latching device that is a world first in electronic deadbolts. Door alignment problems vanish with the innovative design which ensures the correct positioning of the lock and strike every time. Incorporating access control functions, two monitors and the highest quality componentry.

### Dual Action

Magnetic latch on strike plate to capture the door Deadbolt to secure the door

### High Physical Security

Holding force 1,000kg - automatic deadlocking  
Bolt throw 16mm

### Versatile Installation

Designed to provide concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting.

### Slimline Dimensions

210mm(L) x 25mm(W) x 42mm(D)

Back box 164mm(L) x 22mm(W) x 39mm(D)

### Faceplates

Radius

### Multiple Voltage Input

Any voltage from 12v DC -10% to 24v DC +15%.  
Complete with built in transient and reverse polarity protection and continuously rated solenoid.

### Low Current Consumption

Volts	Current - Activate	Current - Hold (after 200ms)
12v DC	1100mA	160mA
24v DC	1000mA	90mA

### Dual Monitoring

Bolt and Door position switches

### Built-in Access Control Module

Automatic unlock period - 8 seconds

Multiple auto relock function - PTL

Multiple unlock function - PTO

### Accessories

Stainless steel surface mounting kit

### Approvals

CE - BS EN 50081-1 and BS EN 50082-1





## Built-in Access Control Module

Selectable unlock period - a field selectable timer operates once the bolt is signalled to unlock. This enables traffic exiting 0, 3, 6 or 9 seconds in which to open the door before it automatically relocks. See Anti-Tailgate.

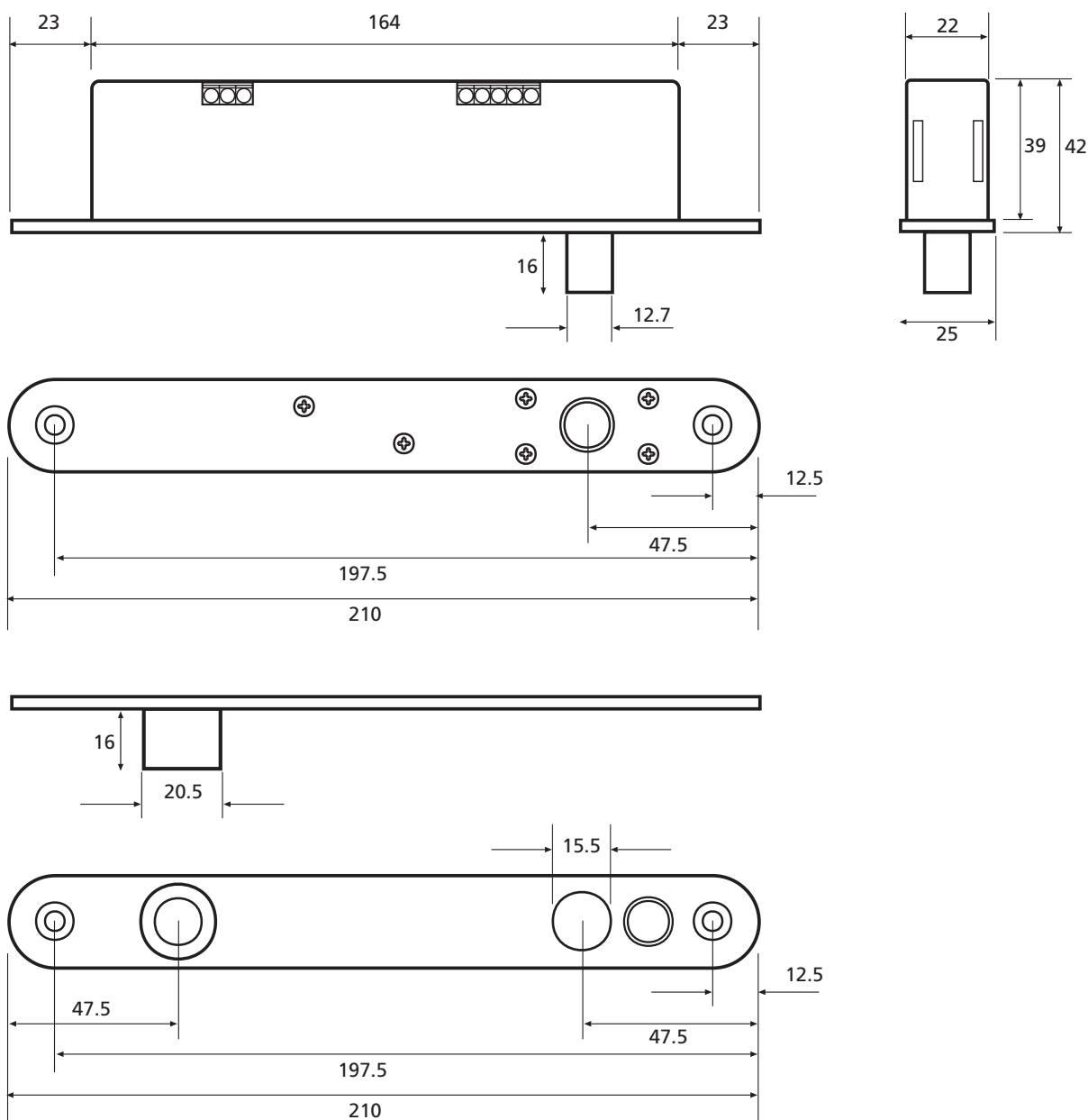
Multiple auto relock function - when relocking the bolt makes 9 locking attempts over 18 seconds.

Change in the bolt position switch status indicates that the door has been locked. Fail open models only.

Multiple unlock - in fail secure mode - 5 attempts to unlock door at 2 second intervals.

Anti-Tailgate - once the door has been pushed open and closed during the chosen unlock period, the bolt will immediately relock.

DESCRIPTION	FUNCTION	CODE
Deadlocking Bolt with Latch 12-24v DC - 25mm wide radius cornered faceplate including long strike plate with square hole.	Fail Open - Power to Lock	DB25L/PTLOCK



# electric mini bolt

EB501



The Alpro EB501 Electric Mini Bolt allows for remote access and exit control of most timber, metal and UPVC Doors. Suitable for sliding or swing, single and double action operations. It can be fitted in the frame or in the door and is also suitable for narrow profile joinery cabinets and showcases

## Function

Fail Open/Power to Lock

## Construction

Stainless steel bolt (12mm diameter and throw) and strike plate provide secure locking.

## Electrical Features

Voltage 12v DC $\pm$ 15%  
 Activating current 700mA  
 Holding current 100mA  
 Continuously rated solenoid  
 Fully protected against transient & reverse polarity

## Versatile Installation

Designed to provide concealed high security locking on any single or double action, hinged or sliding door in timber or metal for vertical or horizontal mounting. Also suitable for cabinets and showcases

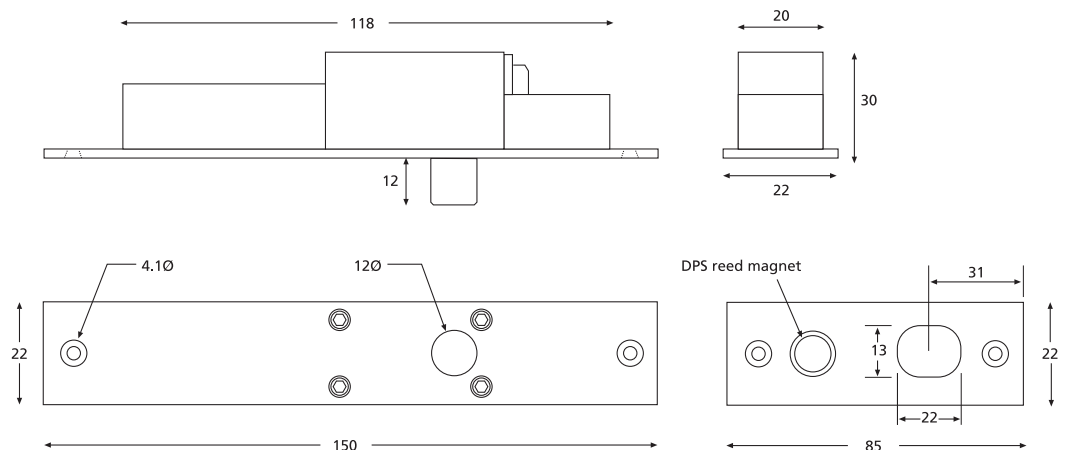
## Monitoring

Door position switch.

## Auto Relock

### Function

Can be set for 0,3,6 or 9 seconds



## Ordering Information/Specifications

DESCRIPTION	FUNCTION	CODE
Electric Mini Bolt	Fail Open- Power to Lock Monitored	EB501-22

# cabinet locks

## ACL200



This compact rugged cabinet lock is designed to be fitted in display cases, cabinets and lockers with either swing or sliding doors requiring electronic control and where keys are not a practicable solution.

The innovative design enables the lock to be fitted vertically or horizontally whilst receiving the striker plate from the front, side or slide entry positions.

Offering maximum flexibility and alignment adjustment whilst maintaining an excellent level of security for its size.

### Stainless Steel Striker

Holding >250Kg

### Flexible Alignment

Has 5mm vertical/horizontal adjustment after installation

### Power consumption

180 mA - 12v DC continuous (+/- 15%)

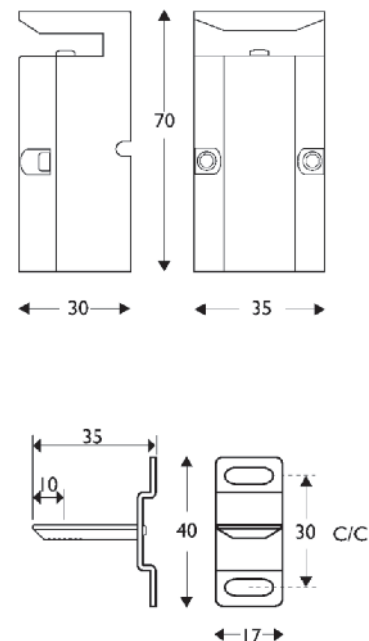
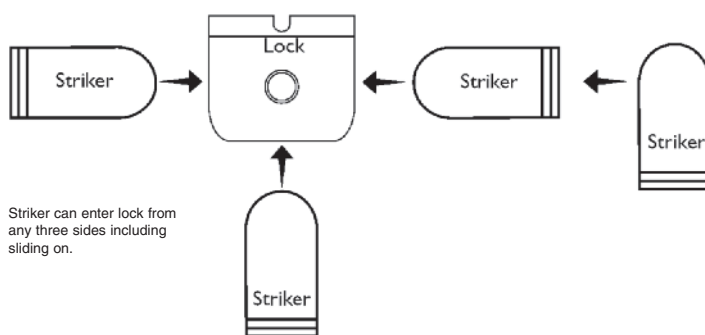
90 mA - 24v DC continuous (+/- 15%)

### Compact case size

70mm (H) x 35mm (W) x 30mm (D)

### Approvals

CE Approved



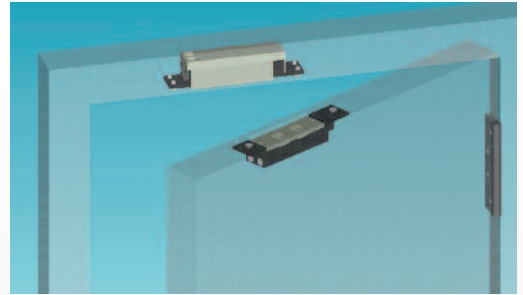
## Ordering Information/Specifications

DESCRIPTION	FUNCTION	CODE
12v DC	Fail Open - Power To Lock	ACL212 PTL
12v DC	Fail Secure- Power To Open	ACL212 PTO
24v DC	Fail Open - Power To Lock	ACL224 PTL
24v DC	Fail Secure- Power To Open	ACL224 PTO

# compact shearlock

## EMS1200

The Alpro EMS 1200 Compact Shearlock is available in Mortice or Surface Mount models (inc. Glass Mount) and offer slimline dimensions whilst maintaining a holding force in shear of 1200kg. Other benefits include built in PCB controller with switch selectable features and plug in 3 metre flying leads.



### High Physical Security

Shear Holding Force 1200kg

### Models

Mortice and Surface Mount Model  
230mm (L) x 51mm (W) x 51mm (D)

### Compact Design

Magnet - 163mm (L) x 30mm (W) x 35mm (D)

Armature - 163mm (L) x 30mm (W) x 32mm (D)

### Specification

Built in PCB Controller

Switch selectable adjustable time delay  
0-30 secs

Misalignment - Multiple auto relock x100  
3 metre flying leads

### Fully Monitored Hall Effect

Max 24v DC@1 amp

Door Position Switch

### Versatile Installation

Single or Double Action Doors

Mortice / Surface / Glass Mount

### Multiple Voltage Input

Any voltage from 12v DC -10% to 24v DC +15%.

Complete with built in transient and reverse polarity protection and continuously rated solenoid.

### Current Consumption

Volts	Current - Activate	Current - Hold
12v DC	1150mA	290mA
24v DC	1550mA	160mA

### Max Armature Pull In

12v DC - 4mm

24v DC - 5mm



### Accessories

For use with Surface Mount Housings

Aluminium Glass Mount Bracket suitable for 10-

12mm Glass, 230mm (L) x 30mm (W) x 45mm (D)

Filler Plates, 225mm (L) x 1/2/6mm (W) x 38mm (D)

### CE Approved

### Cycle Tested

SGS - 500k operations



## DESCRIPTION

Mortice Shearlock -12/24v DC Door position Switch -

Monitored complete with on board PCB/Plug in 3m flying leads

Surface Mount Shearlock as above complete with Surface Mount Housings x2

Mortice Shearlock as above complete with Surface Mount Housings x1

## CODE

EMS 1200M

EMS 1200S

EMS 1200MS

### Accessories

Aluminium Frameless Glass (10/12mm) Door Clamp for use with EMS 1200S,

One per Surface Mount Housing e.g. 2 required for use with EMS 1200S

1 required for use with EMS 1200MS

Aluminium Filler Plate 1mm thick x1

Aluminium Filler Plate 2mm thick x1

Aluminium Filler Plate 6mm thick x1

GDC 1200

FP 1200 - 1

FP 1200 - 2

FP 1200 - 6

### Regulated PSU/Back Up Battery

12v 2Amp Power Supply Unit

24v 2Amp Power Supply Unit

IECPSU12V2AMP

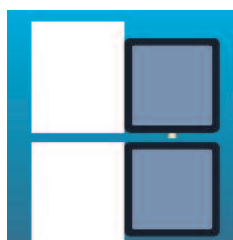
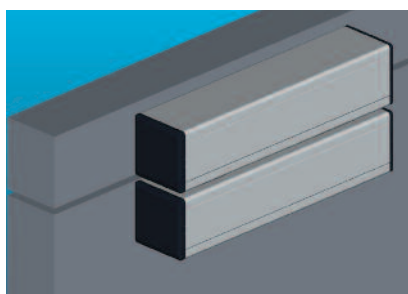
IECPSU24V2AMP

### Regulated PSU required for correct operation

Independent DPS (Door Position Switch) required for steel door applications

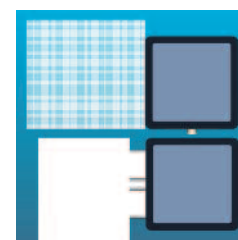
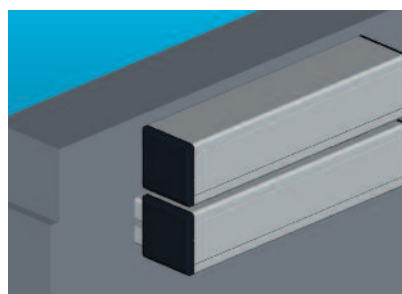
Suitable positive centring closer required on double action doors

Metal door to metal frame - flush



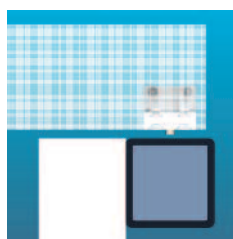
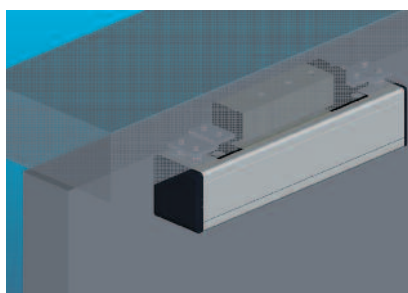
Side View

Metal door to metal frame - offset



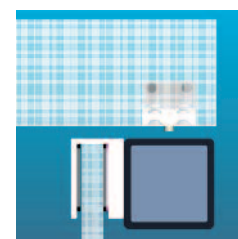
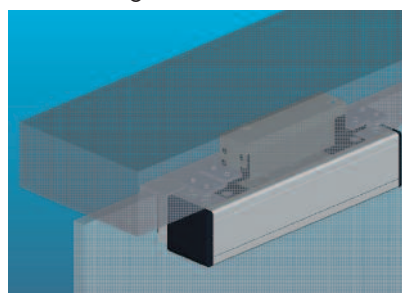
Side View

Metal door to metal frame



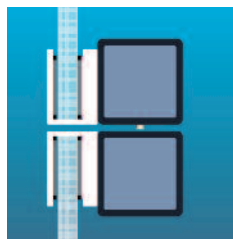
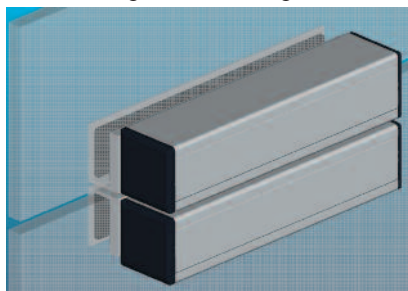
Side View

Frameless glass door to metal frame, Armature surface.



Side View

Frameless glass door to glass



Side View

SM 1200



GDC 1200



FP 1200-1/2/6



# surface door magnet

## AL2400LP

Alpro's Vortex 2400 compact door magnet is a unique magnet with patented inbuilt technology ensuring improved performance and reliability and a real alternative to standard face to face magnets. Complete with a conical aperture to receive a strong alloy pin the unit embodies both magnetic and mechanical holding force. Independently tested to 1500kg, the holding force is 400% stronger, the body size is 75% smaller, power consumption is 50% lower and there is 75% less material used in the manufacturing processes making the Vortex greener and more environmentally friendly than its competitors. Complete with built in LED and dual monitoring.



### High Physical Security

Holding force 1,500kg

### Releases under Side Load Pressure

Magnet will release with up to 100kg of side load pressure when the power is removed

### Weight

450g

### Slimline Dimensions

218mm(L) x 35mm(W) x 30mm(D)

### Multiple Voltage Input

Any voltage from 12vDC to 24vDC

### Low Current Consumption

Volts	Current
12v DC	240mA
24v DC	120mA

### Dual Monitoring

Locking and door position

### Early Warning Alarm EW Technology

Magnets are fitted with EW pressure sensors able to send an alarm before access forced open. Also fitted with buzzer.

# VORTEX<sup>®</sup>

Surface Mounting for easy retrofit

Armature Plate Security Bracket

No residual magnetism

### Accessories

L & Z brackets

Glass door bracket

Patented

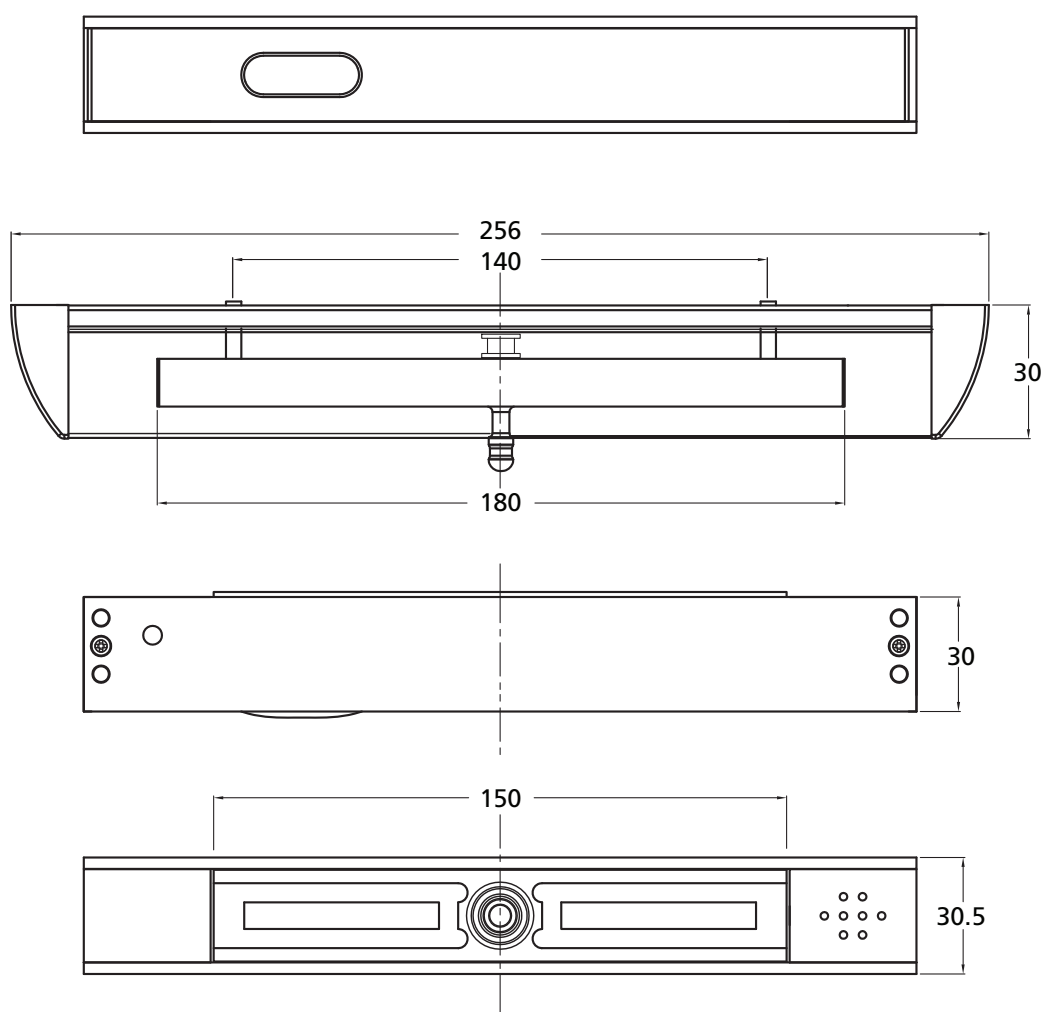
## Ordering Information/Specifications



DESCRIPTION	FINISH	CODE
Surface mounted magnet. Secure armature – LED – 12/24vDC	Satin Anodised	<b>AL2400-LP</b>
Small mortice magnet – 12/24vDC	Satin Anodised	<b>AL1982-35.5</b>
Automatic door magnet	Satin Anodised	<b>AL4400</b>

ACCESSORIES	FINISH	CODE
L bracket for 2400 model	Satin Anodised	<b>ALAMLB2400</b>
L&Z brackets for 2400 model	Satin Anodised	<b>ALAMZB2400</b>
Glass door bracket for 2400 model	Satin Anodised	<b>ALUGB2400-10/12</b>



# mortice door magnet

## AL1982-35.5

The Alpro 1982.35.5 Vortex magnet is designed for use when a mortice type installation is required.

When external pressure is applied to open the magnet and break the hold of the unit, the pivoting pin head fitted into the electro magnet holes will initiate an additional locking from the upward movement of the integrated ball bearings which hold the pivoting pin head on the armature plate securely. When the power is disengaged from the magnet, it releases its hold on the armature plate and it returns to its normal state.

The unit requires a filtered and regulated DC power supply of the correct voltage to ensure the attraction of the armature plate is initiated. The unit operates on 12/24vDC and is complete with two built in SPST reed switch sensors for remote lock monitoring status and remote door monitoring status. The overall holding force of the unit is 1500Kgs.



### High Holding Force

Holding force 1,500Kg

### Releases under Side Load Pressure

Magnet will release with up to 100Kg of side load pressure when the power is removed

### Weight

1.3Kg

### Magnet Body Dimensions

226mm(L) x 35.5mm(W) x 26.5mm(D)

### Armature Plate (including bracket) Dimensions

226mm(L) x 35.5mm(W) x 25.7mm(D)

### Multiple Voltage Input

Any voltage from 12vDC to 24vDC

### Low Current Consumption

Volts	Current
12v DC	240mA
24v DC	120mA

### Dual Monitoring

Locking and door position

### Early Warning Alarm EW Technology

Magnets are fitted with EW pressure sensors able to send an alarm before access is gained. Also fitted with buzzer.

# VORTEX<sup>®</sup>

Built-in MOV Surge Protection

Mortice mounting for concealed installation

Armature plate security bracket

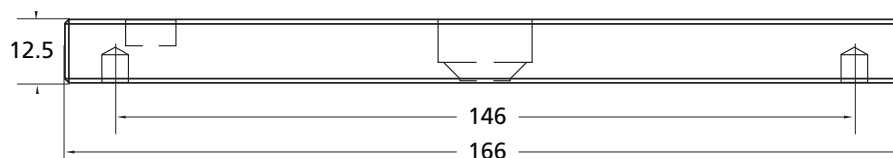
No residual magnetism

ISO and TÜV tested

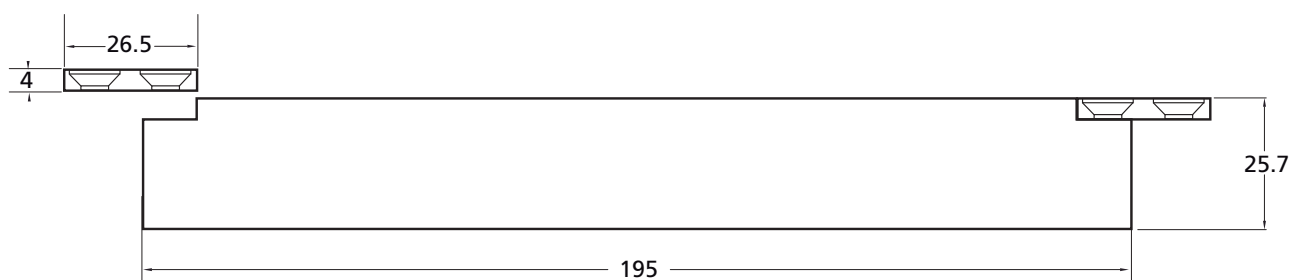
Patented

DESCRIPTION	FINISH	CODE
Small mortice mounted magnet - 12/24vDCC	Satin Anodised	<b>AL1982-35.5</b>

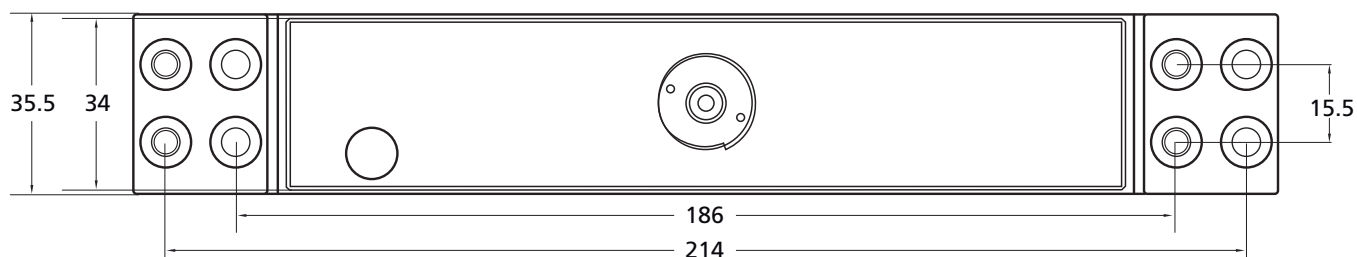
Armature plate



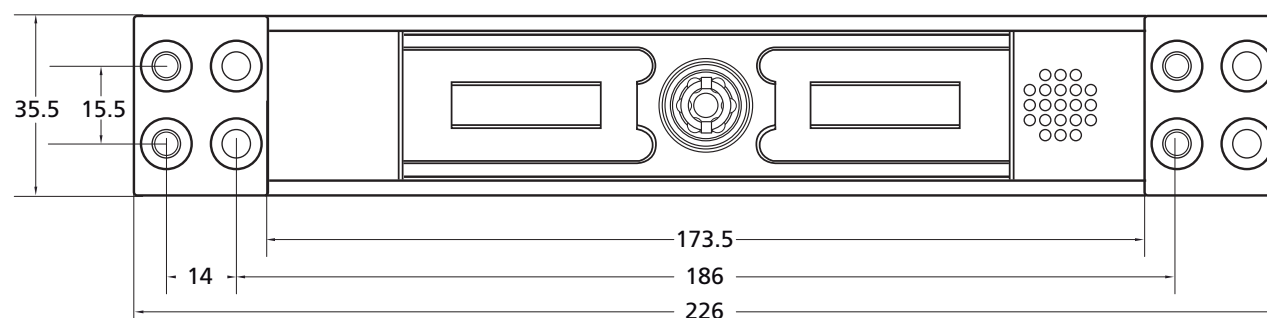
Armature plate including bracket (side view)



Armature plate including bracket



Magnet





# automatic door magnet

## AL4400

Alpro's patented AL4400 mechanical electro magnet is specifically designed for securing sliding door mechanisms both automatic and mechanical. The holding force of the magnet will depend on its fitting arrangement, but in test the average holding force has been shown to be 680Kgs. The installation is simple and the unit provides an additional and reliable locking solution which is superior to traditional electromechanical locking devices. The AL4400 can also be supplied with the necessary mounting accessories usually required by door manufacturers. The units operate on a 12v/24vDC power supply.



### High Holding Force

Holding force 680Kg

### Weight

400g

### Slimline Dimensions

44mm (L) x 30mm (W) x 16.5mm (H)

### Multiple Voltage Input

12vDC/24vDC

### Low Current Consumption

260mA

### Early Warning Alarm EW Technology

Magnets are fitted with EW pressure sensors able to send an alarm before access forced open.

### Built-in MOV Surge Protection

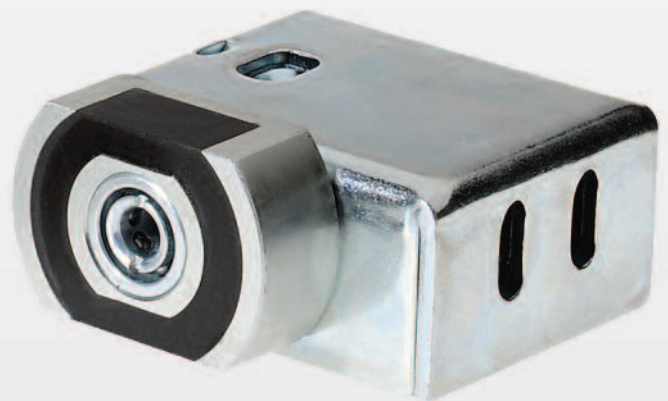
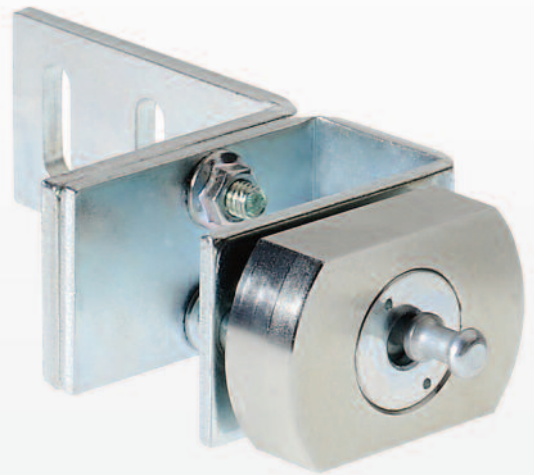
### Surface mounting for easy retrofit

### Armature plate security bracket

### No residual magnetism

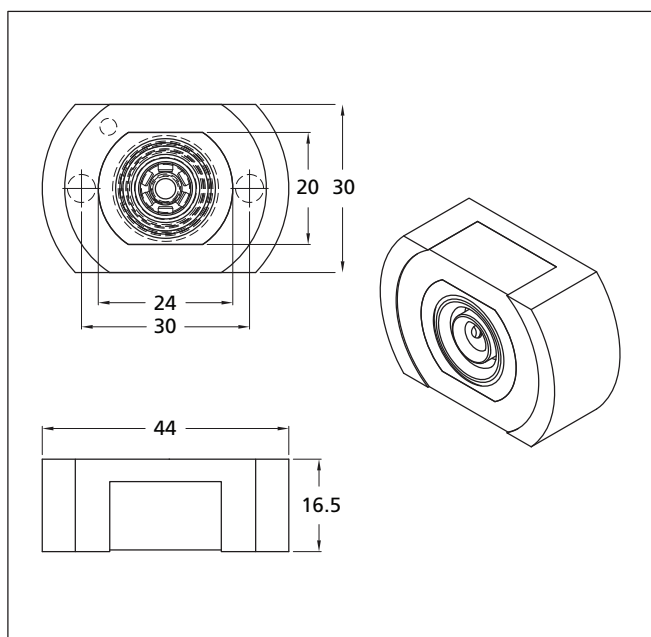
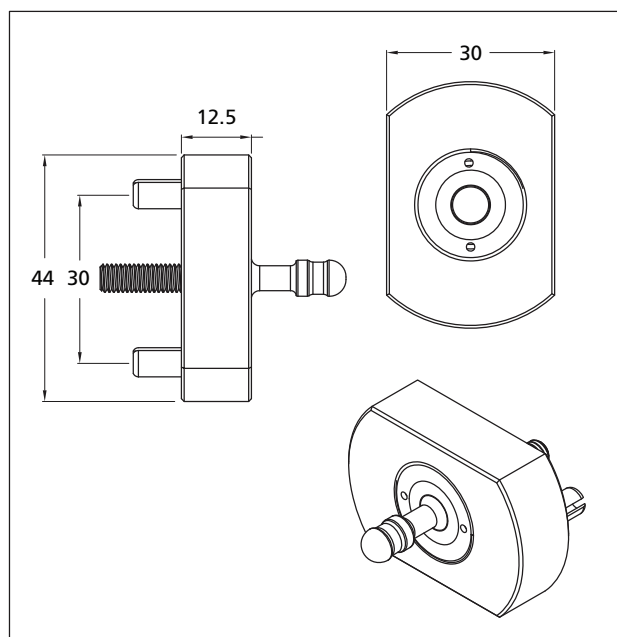
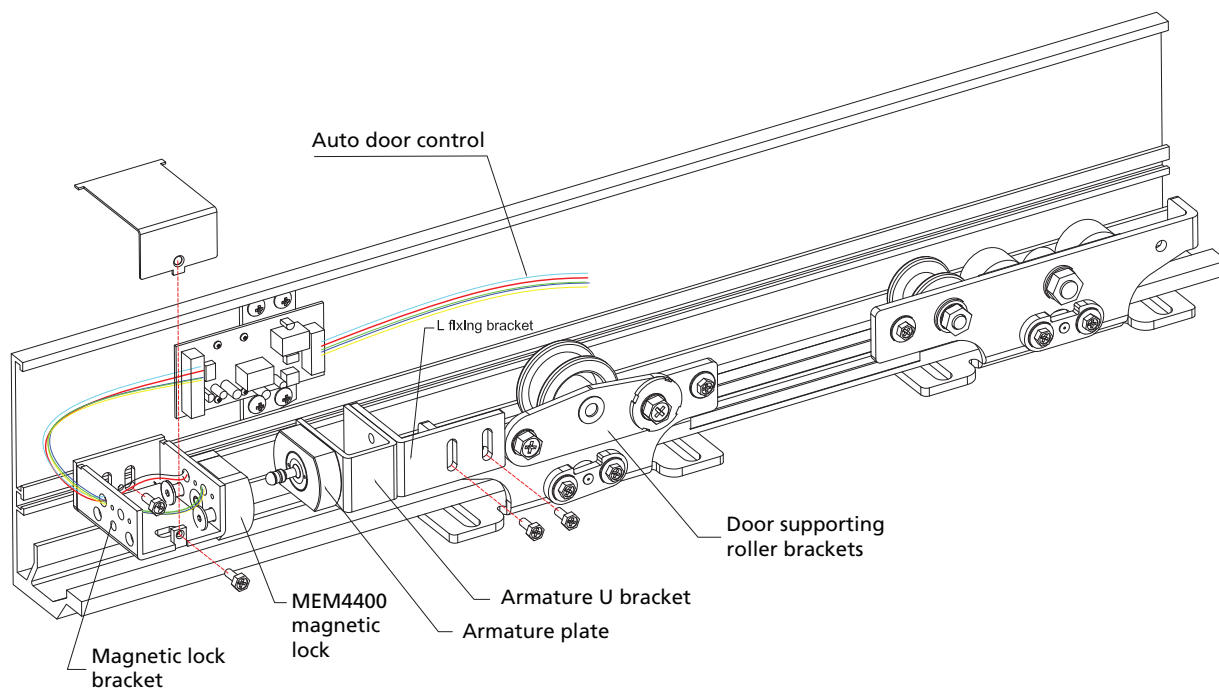
### ISO and TÜV tested

### PatentedPatented



VORTEX<sup>®</sup>

DESCRIPTION	FINISH	CODE
Automatic door magnet - 12vDC/24vDC	Satin Anodised	AL4400



# waterproof keypad

## AS626

The Alpro Waterproof Keypads are simple to install and user friendly. These aesthetically designed and vandal resistant keypads are suitable for up to 200 users.

Slim and secure with no moving parts they are manufactured to highest standards for external or internal use.



### No Moving Parts

Solid state Piezo technology

### Waterproof – IP68 Certificated

Highest certification available

### Slimline Design

44.5mm (W) x 181mm (L) x 12mm (D)

### Tamper Resistant

Security plugs provided

### Vandal Resistant

One piece solid housing

### Variable Length Codes

From 4 to 8 digit codes can be used simultaneously

### Electrical Features

2 amp changeover relay

12v AC or 12-24v DC ( $\pm 10\%$ ) power 120mA max

### Visual & Audible Feedback

Timeout functions for code entry and programming

### Up to 200 User Codes

100 million combinations 4 to 8 digit codes

### Non Volatile Memory

### Anodized Graphics

Long life - wear resistant

### Approvals

CE and UL



## DESCRIPTION

Self Contained Single Door Access Control - 200 Users  
Slim Surface Mount, 2x6, 2 LED, Outdoor/Indoor, Bright Aluminium

## CODE

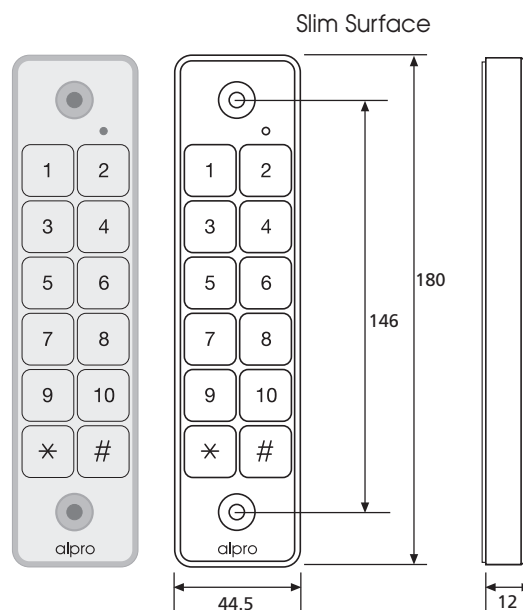
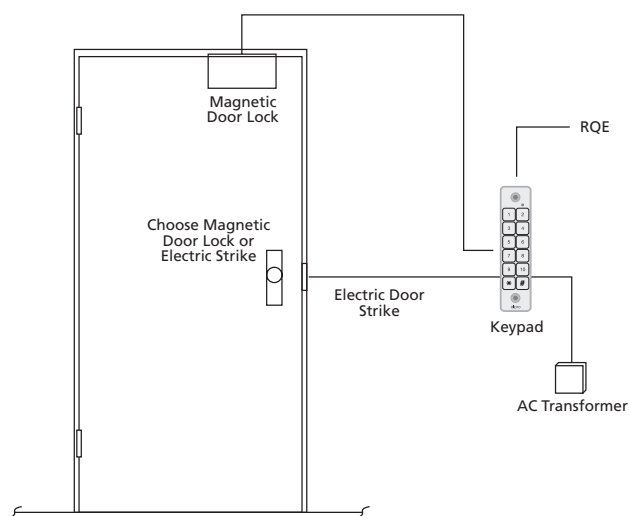
**AS-626S-200/3M**

## Accessories

Cable, replacement, between Keypad and Controller. 3 metres of cable with connectors

**AST10CABLE**

### Self Contained Single Door Access Control - 200 Users



# backlit keypad

## AS-ATP2S200

Alpro's new fully sealed polycarbonate Piezo backlit braille keypad is easy to install and user friendly.

This keypad uses the same technology that is found in the existing Alpro vandal proof slim line keypad and provides the ultimate solution for high traffic access control, single door and stand-alone installations.

These vandal resistant keypads are suitable for up to 200 users with no moving parts and are manufactured to highest standards for external and internal use.

### No Moving Parts

Solid state Piezo technology

### Waterproof – IP68 Certificated

Highest certification available

### Backlit Illumination with Braille Facility

### Dimensions

112.8mm (H) x 80mm (W) x 28mm (D)

### Electrical Features

2 amp changeover relay

12v AC or 12-24v DC ( $\pm 10\%$ ) power 120mA maximum

### Working Temperatures

-20°C to +75°C

### Tamper & Vandal Resistant

One piece solid housing

### Audio & Visual Feedback

Timeout functions for code entry and programming

### Variable Length Codes up to 200 User Codes

100 million combination 4 to 8 digit codes which can be used simultaneously

### Approvals

CE and UL





## DESCRIPTION

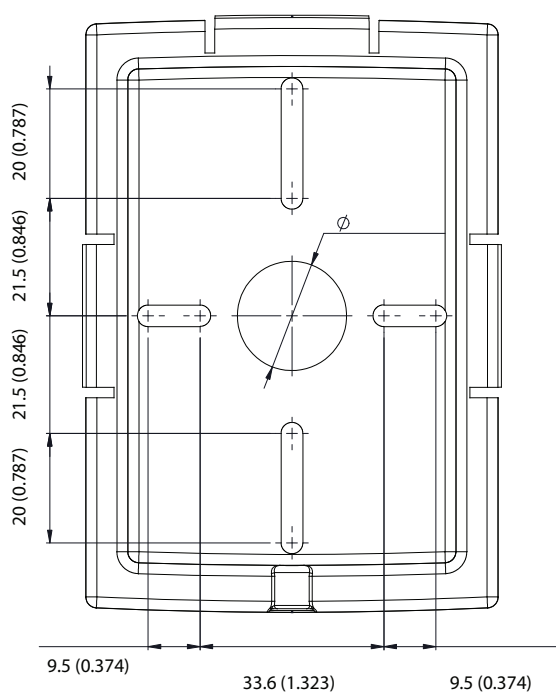
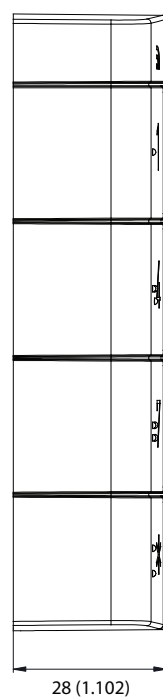
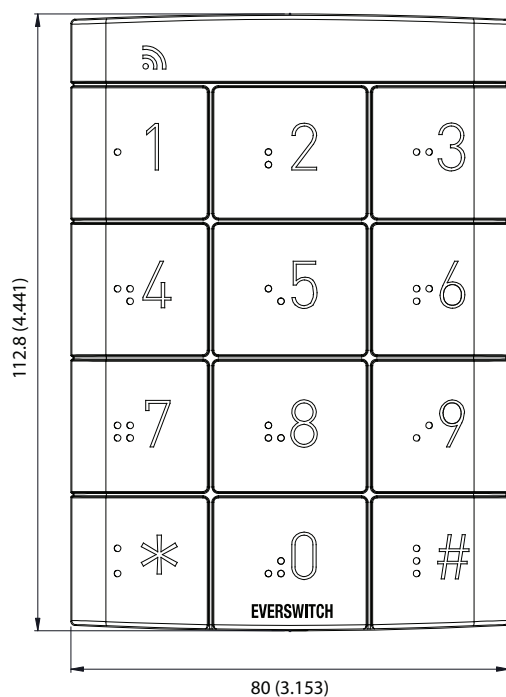
Backlit Self Contained Keypad - Surface Mounted

## FINISH

Black Polycarbonate

## CODE

**AS-ATP2S200**



# waterproof exit switch

## IEC06

The Alpro Waterproof Exit Switches are available in Natural Aluminium with two different switch plate sizes – MK 1 gang and Narrow Style for flush or surface mounting. These switches offer fully weatherproofed IP68 functions.

Requiring only light pressure to operate they are tested to in excess of 50<sup>+</sup> cycles.

### No Moving Parts

Solid state Piezo technology

### Waterproof – IP68 Certificated

Highest certification available

### Tamper and Vandal Resistant

### Switch Activation Time

One shot 120m sec.

### Cycle Tested

50<sup>+</sup> operations

### Electrical Features

Normally open

Max 0.2A @ 24v AC/DC

(1.0A model on request)

### Intrinsically Safe

Switches without LED

UL certificated

### Approvals

CE and UL



## DESCRIPTION

SMA Switch - Non LED - Intrinsically Safe  
 Natural Anodised Exit Switch – MK 1 gang switch plate  
 Natural Anodised Exit Switch – Narrow style switch plate

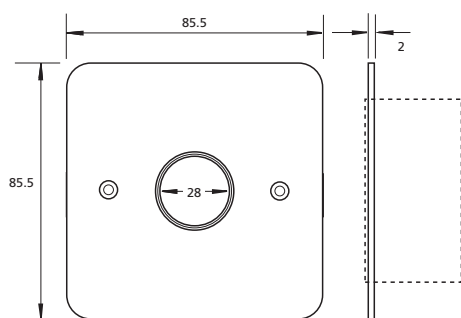
## CODE

**IEC06/1N**  
**IEC06/1N/NS**

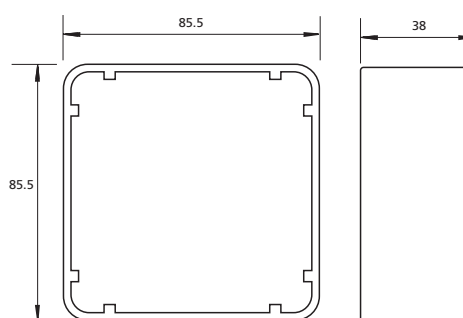
## Accessories

Surface mount housing for MK 1 gang  
 Surface mount housing for Narrow Style

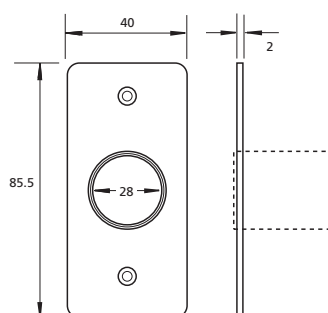
**IEC0610-1**  
**IEC0620-1**



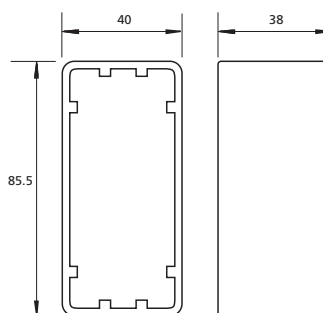
Standard MK1 gang plate dimensions



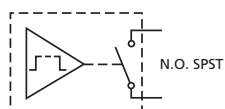
MK1 gang surface housing - brushed aluminium



Narrow style plate dimensions



Narrow style surface housing - brushed aluminium



SMA Switch - Non LED

# infrared proximity switch

PB86



The Alpro PB86 infrared proximity switch is designed to be used in conjunction with the full range of Alpro access control products. This proximity switch offers contactless features offering sterile and hygienic operation.

The simple swipe of the hand operates the switch, ensuring no contact is required. A feature especially important with MRSA and other infectious bacteria prevalent in hospitals and other communal areas.



## Function

Adjustable relay trigger from 1 to 9 seconds

Easy indication of operation status

Remote control door open with an infrared keypad (optional)

Offers one touch point to operate when infrared is abnormal

Proximity distance is adjustable from 15-27cms

Suitable for indoor use only

## Specification

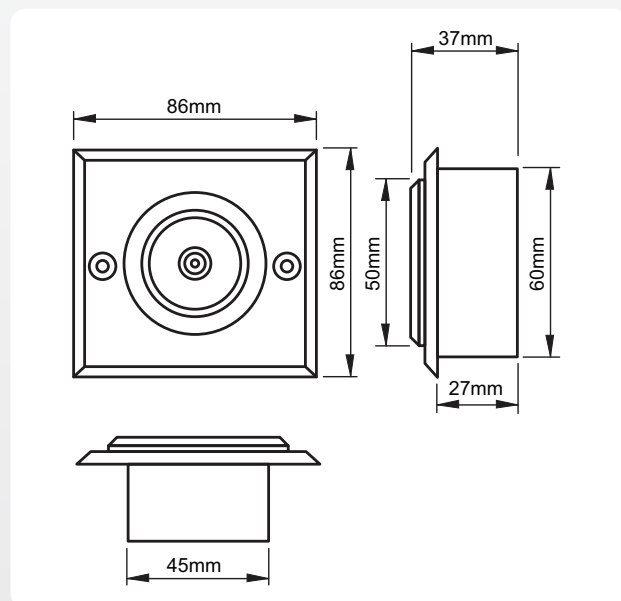
Dimensions: 86 (L) x 86 (W) x 37 (H) mm

Contact Rating: 0.5A 125vAC  
2A 30vDC  
0.3A 110vDC

Relay Life: Mechanical: 100,000,000 / Electrical: 500,000

Operation Temperature: -20°C ~ 55°C

LED indicator: Blue - Normal  
Green - Active



## Ordering Information/Specifications

### DESCRIPTION

Infrared Proximity Switch - 12v  
Remote Control Keypad Unit

### CODE

ALP-PB86  
ALP-RCKU

# other products

## Door Hardware

Alpro offer a complete range of aluminium door hardware offering excellent levels of security and quality.

The range includes:

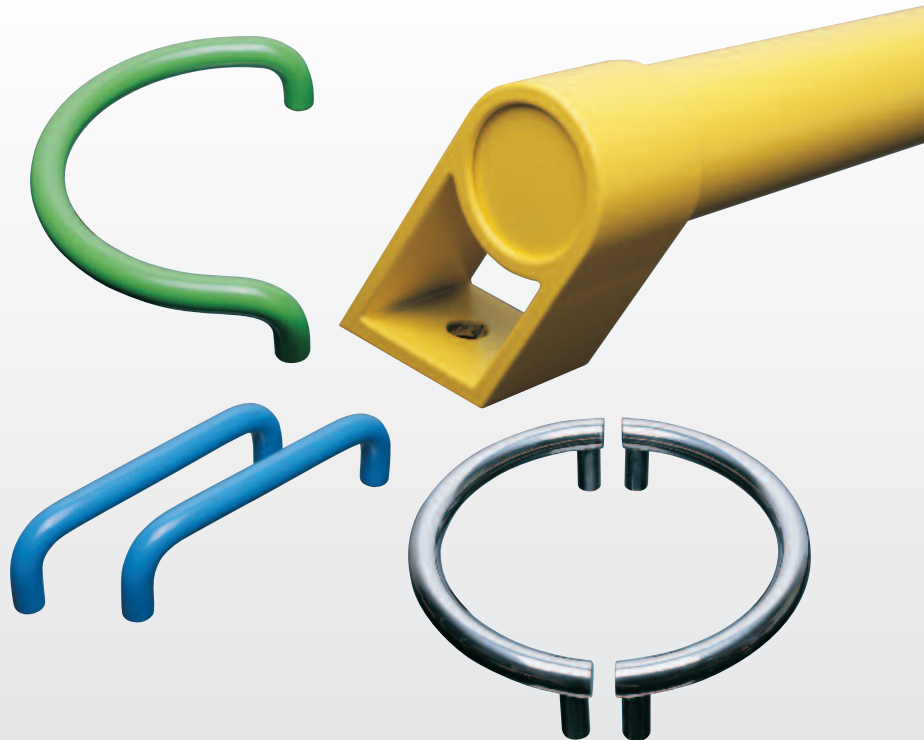
- Europrofile Deadlocks
- Round Mortice Cylinder Deadlocks
- Europrofile Deadlatches
- Round Mortice Cylinder Deadlatches
- Lever & Paddle Handles
- Lock Accessories
- Flush Bolts
- Armoured Strikes
- Digital Locks
- Door Closers
- Magnets
- Panic Hardware



## Door Handles

Alpro door handles are bold and modern in appearance and practical in everyday use.

- Aluminium, timber and glass door applications
- Made from stainless steel or aluminium with powder and nylon coated versions to RAL colours
- Wide range of styles and finishes
- Many sizes available from stock or within a few days





# *Our difference...*



We are a family owned company founded in 1938 to supply quality mechanical components. Today we serve a broad band of industry with a wide range of quality products.

These are manufactured by companies of international repute who are each specialists in their own field.

We are approved to BS EN ISO 9001:2008.

## *We aim to provide the best in both products and service*

- Experienced informative staff give fast, effective and friendly service.
- Technical support nationwide.
- Competitive and cost effective solutions.
- CAD design facility.
- Large stocks - same day despatch - Kanban and JIT deliveries.
- Modern technology combined with people.
- Listen, communicate - no surprises!
- Think long term - everlasting customers.



# *alpro®... the team that cares*

## *Integrity • Expertise • Commitment*

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12/2013



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