alpro®

access control

Commitment to Excellence

Commitment to Excellence

20th ANNIVERSARY • 2013 • 20th ANNIVERSARY • 2013 • 20th ANNIVERSARY • 2013

20 YEARS
Serving the Industry

DB25

VNOTLOC with alpro

www.alpro.co.uk

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.

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.

AC Compatible
Use Rectifier Sounder Module

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 (±15%)
100mA - 24v DC continuous (±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.

6 YEAR GUARANTEE

COMPANY	MODEL
Accepts 13mm latch bolt when fitted with 3mm door gap	
Adams-Rite	4710, 4720, 4750
ASEC	AS1094, AS1095
ASSA	3059, 3061, 3062, 8516, 8517, 8518,
	8519, 8760, 8761, 8762, 8764
Chubb	3R35

COMPANY	MODEL
Accepts 13mm latch bolt when fitted with 3mm door gap	
Legge	8767, 8157N, E900
Union	2332, 2341, 2349, 2370, 2379
Viro	8516, 8517, 8518, 8519
Yale	3600, 3610, 4103, 6025, 6070

DESCRIPTION	FUNCTION	CODE
12/24vDC ANSI Short SS Strike including mounting kit	Fail Safe/PTL	**AL111AS**
12/24vDC ANSI Short SS Strike including mounting kit	Fail Secure/PTO	**AL112AS**
12/24vDC ANSI Long SS Strike including mounting kit	Fail Safe/PTL	**AL111BS**
12/24vDC ANSI Long SS Strike including mounting kit	Fail Secure/PTO	**AL112BS**
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	**ALEX1115**
25mm Extension Lip	**ALEX1125**
50mm Extension Lip	**ALEX1150**
75mm Extension Lip	**ALEX1175**
Rectifier Sounder Module	**IEC-RM1**

Illustrated AL110 ANSI short metal door preparation
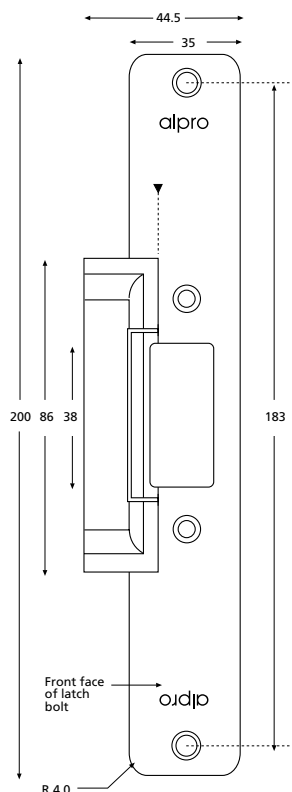
(BS) ANSI long faceplate 200 x 35

(AS) ANSI short faceplate 124 x 31

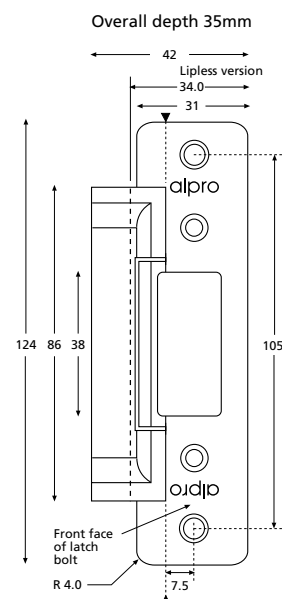15, 25, 50 & 75mm Extension Lips are available as extras

Note: For detail of installation see instructions/ template
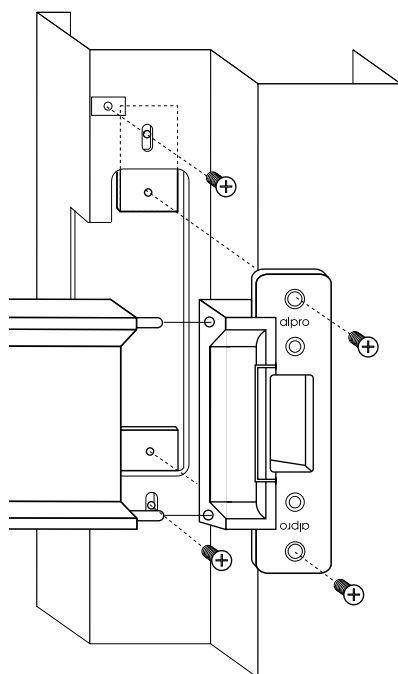
(BS) ANSI Long Faceplate

(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 (±15%)
110mA - 24v DC continuous (±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.
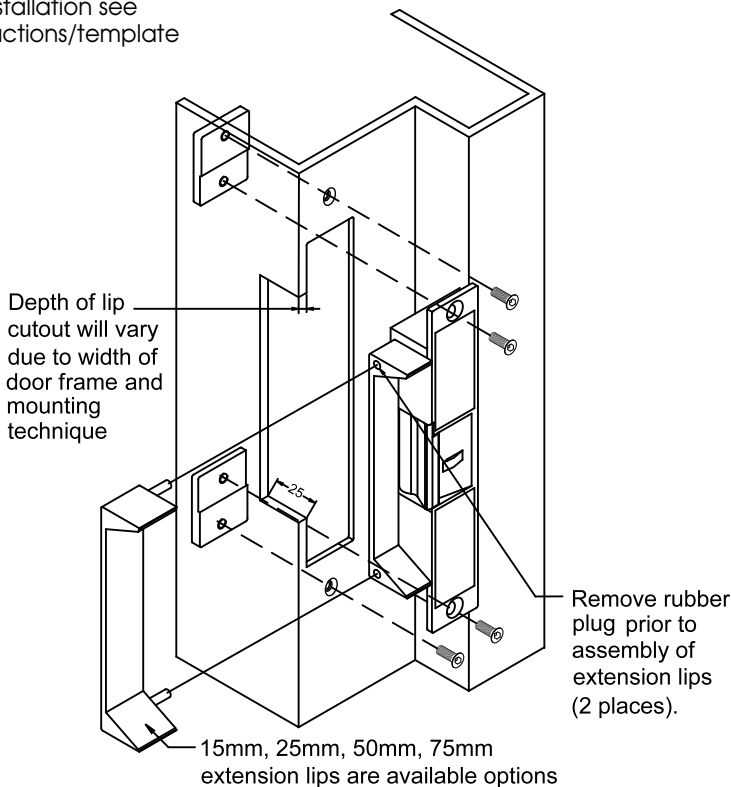The IEC RM1 unit is continuously rated – max 1 amp.

AC Compatible
Use Rectifier Sounder Module

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

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

ACCESSORIES	CODE
15mm Extension Lip	**ALEX2015**
25mm Extension Lip	**ALEX2025**
50mm Extension Lip	**ALEX2050**
75mm Extension Lip	**ALEX2075**
Rectifier Sounder Module	**IEC-RM1**

Note: For detail of installation see instructions/template

AL2000
Overall depth 26mm

Depth of lip cutout will vary due to width of door frame and mounting technique

15.5   29

175   123   38   162

Remove rubber plug prior to assembly of extension lips (2 places).

15mm, 25mm, 50mm, 75mm extension lips are available options
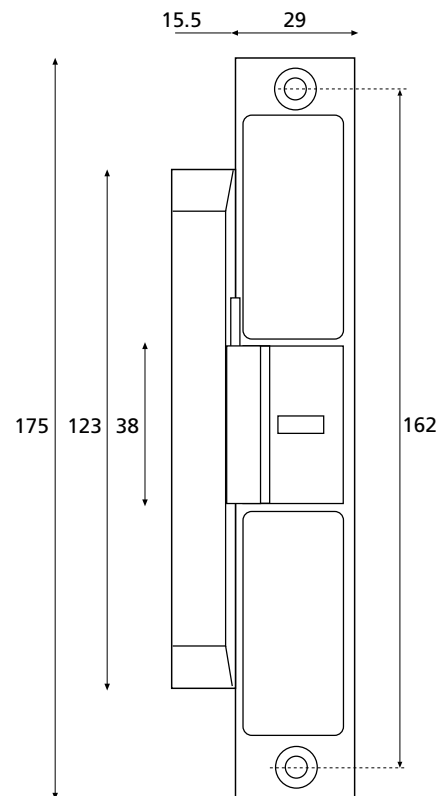
RIM electric strike

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 (±15%)
100mA - 24v DC continuous (±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.

AC Compatible
Use Rectifier Sounder Module

Lock Compatibility/Ordering Information/Specifications

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

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

ACCESSORIES	CODE
Rectifier Sounder Module	**IEC-RM1**

Front face of lock tongue
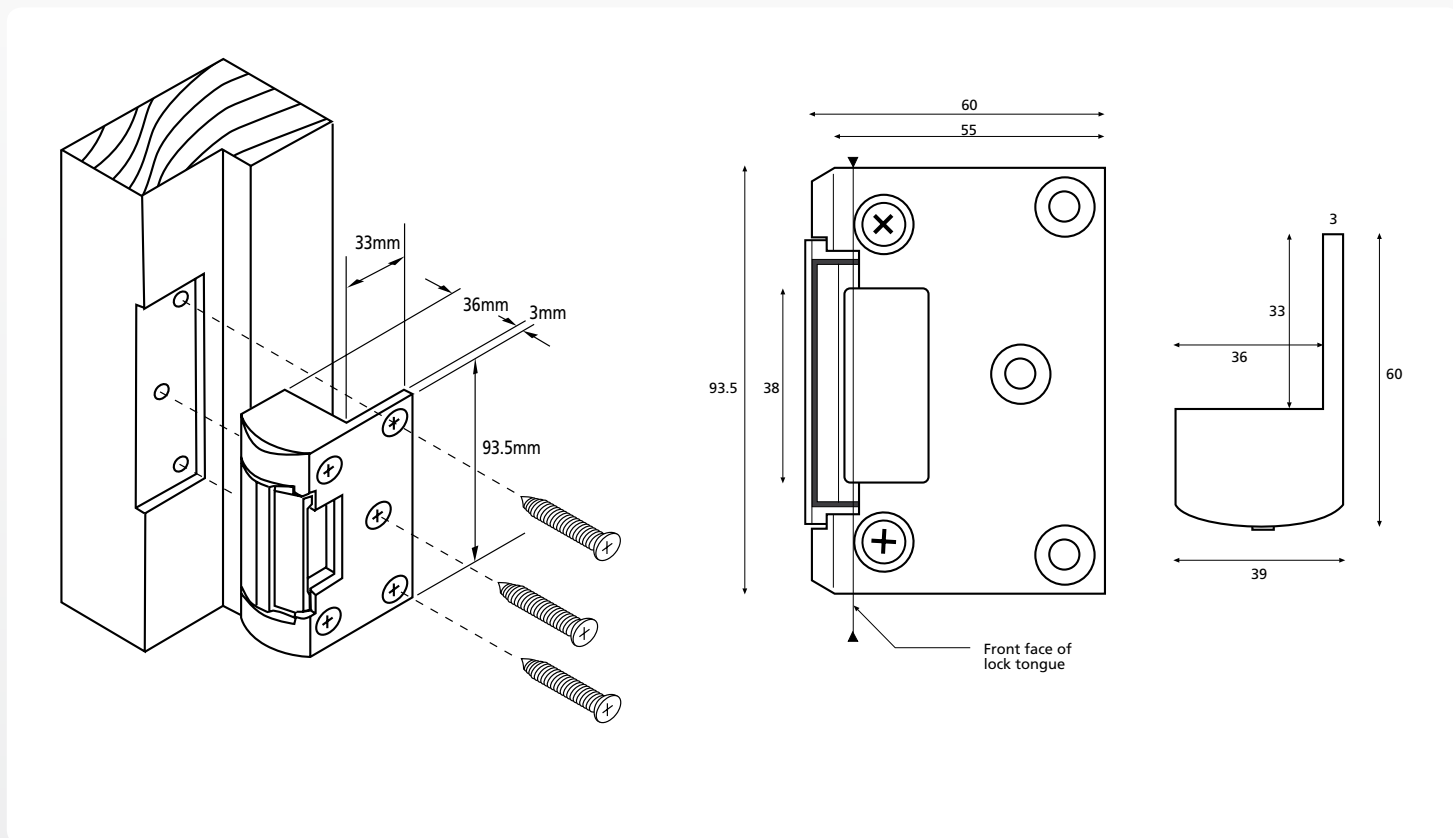
rectifier sound module

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 +/1 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).
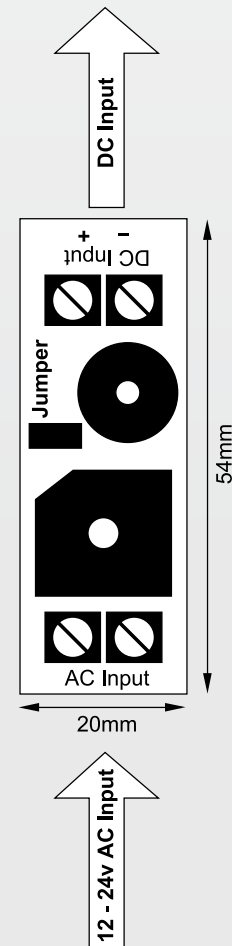
Sounder

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

DC Input

DC Input
+ –

Jumper

54mm

AC Input

20mm

12 - 24v AC Input

DESCRIPTION	CODE
Rectifier Sounder Module for AC operation	**IEC-RM1**

electric bolts

	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 and metal 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±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
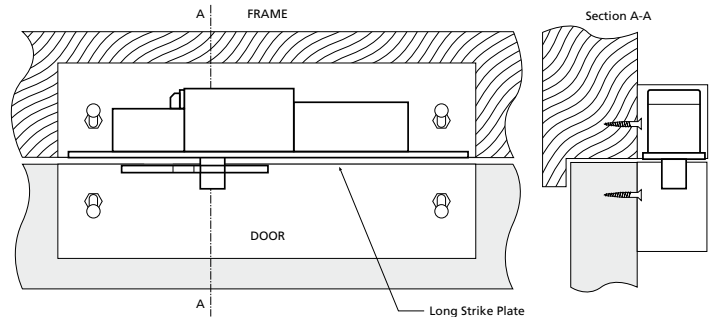Surface mounting kit in chromated steel

www.alpro.co.uk   01202 676262

3 YEAR GUARANTEE

DESCRIPTION	FUNCTION		CODE
Electric bolt 12v DC	Fail Open / PTL		**EB1001/34MM/R1**

ACCESSORIES	FINISH		CODE
Surface Mounting Kit	Chromated steel		**EB1001/SMHKIT 34MM**

167

28

37

15

34

5 Ø   15 Ø

DPS reed magnet

31

34

17

21

203   98

Normal fixing

FRAME   A

Section A-A

15.0

DOOR

Ø15.5   A

A
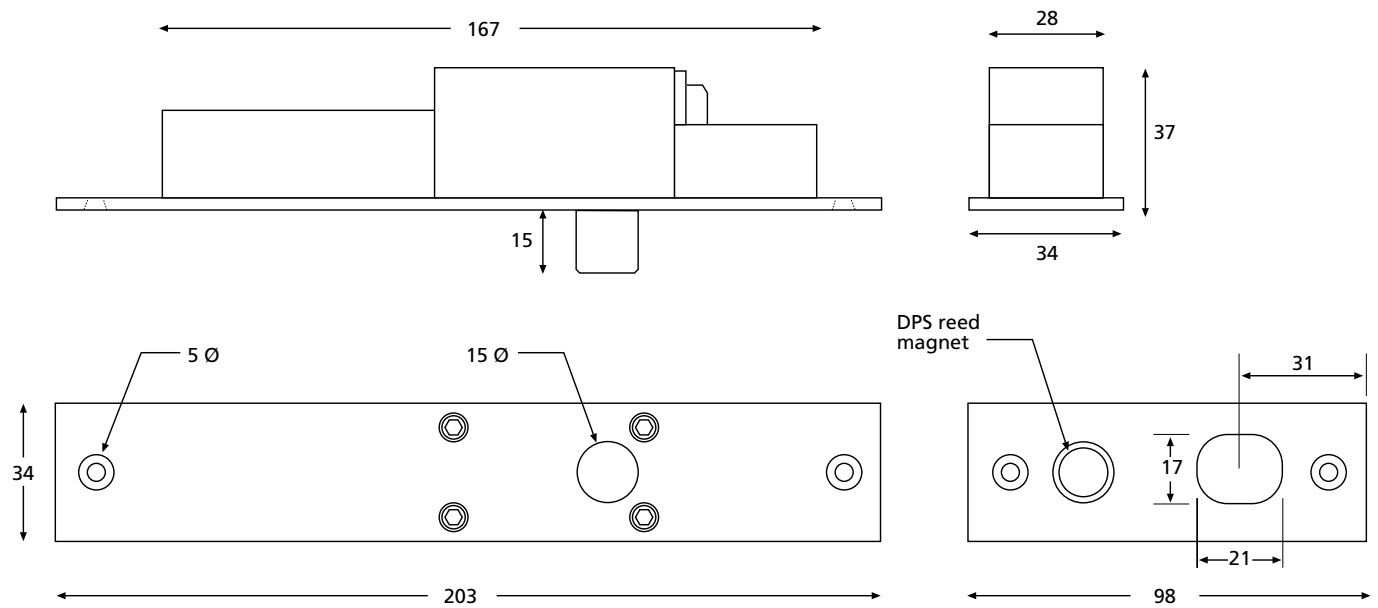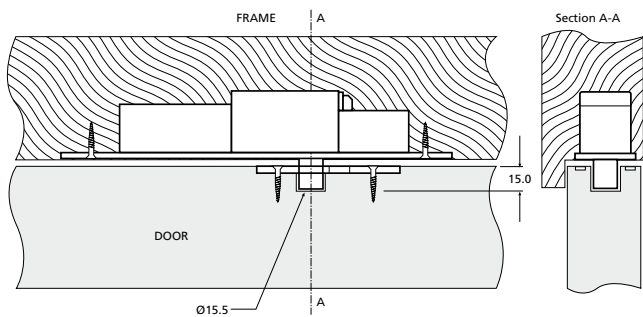
Surface mount kit - chromated steel

A   FRAME

Section A-A

DOOR

Long Strike Plate

A

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 and metal 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.

3 YEAR GUARANTEE

DESCRIPTION	FUNCTION	CODE
12-24vDC Radius Cover Faceplate	Fail Safe/PTL	**EB-250/PTL**
12-24vDC Key Override Radius Cover Faceplate	Fail Secure/PTO	**EB-250KO/PTO**

ACCESSORIES

Glass mounting bracket for EB250 (frameless door)	**EB-250/GMB**
Glass SMK dress plates (2) for EB250	**EB-250/SMK-DP**
Short strike plate with square hole for EB250	**EB-250/SHORT**
Surface mounting kit for EB250 (Stainless Steel)	**EB-250/SMH-KIT**
Short strike plate with square hole for EB250KO	**EB-250KO/SHORT**

Dimensional drawings shown are for the EB250
Dimensions for EB250KO model are shown in red where different.
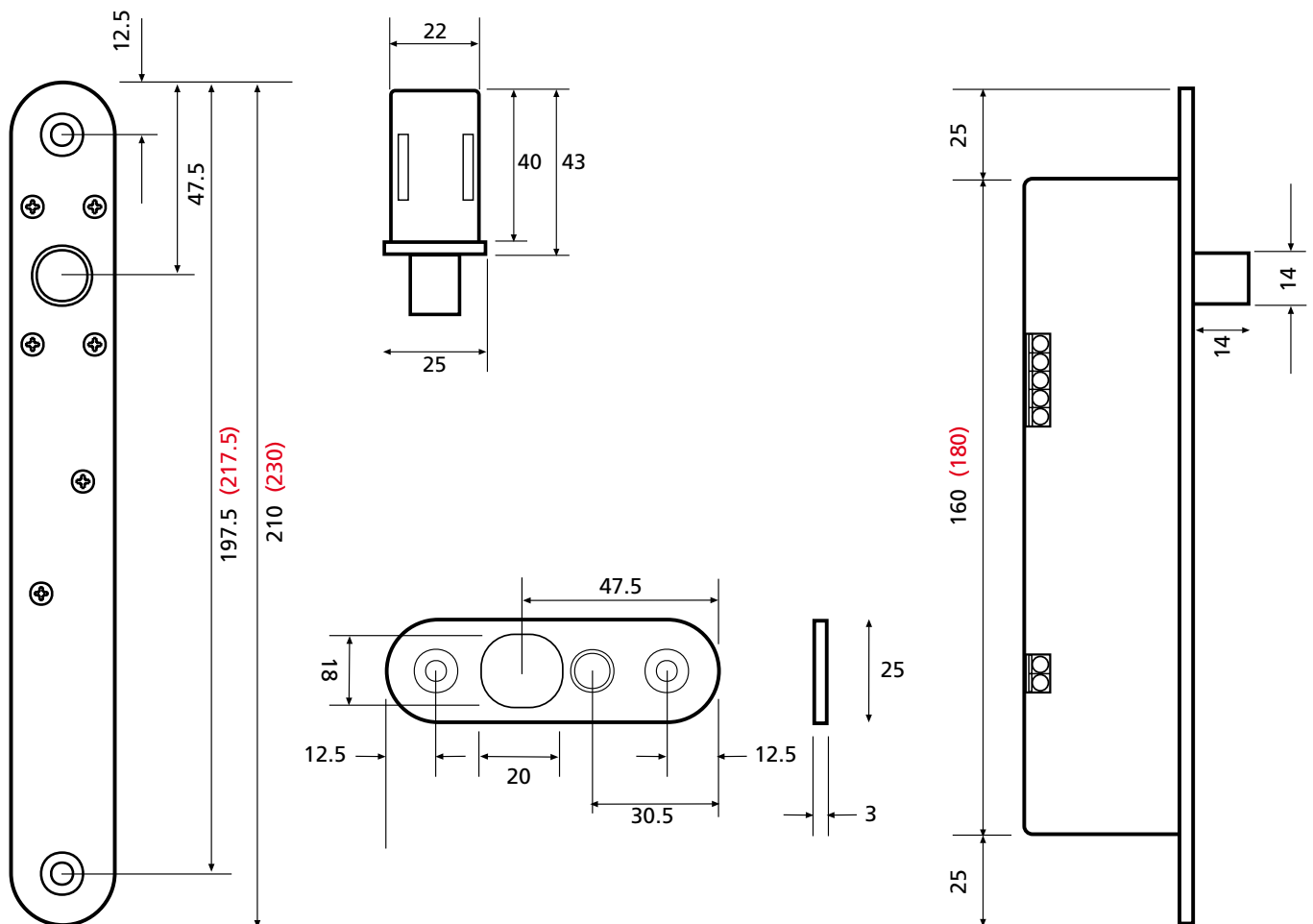
deadlocking bolt

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
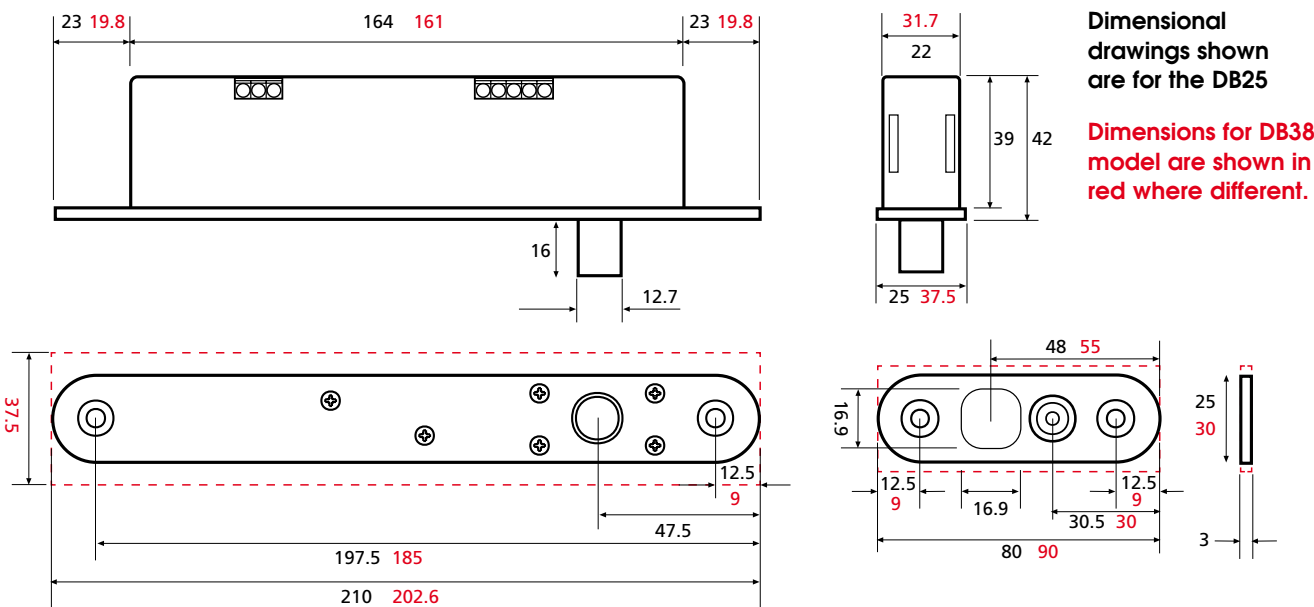
Built-in Access Control Module

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

Dimensional drawings shown are for the DB25

Dimensions for DB38 model are shown in red where different.

Normal fixing

Surface mount kit - stainless steel
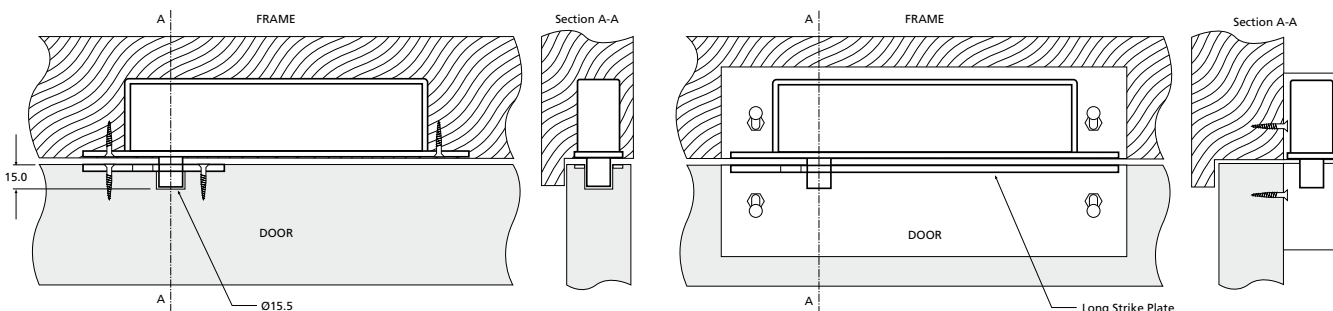
Housing dimensions 225mm(L) x 27.4mm(W) x 46.5mm(D) for DB25

deadlocking bolt

Slimline - Key Overide 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

5 YEAR GUARANTEE

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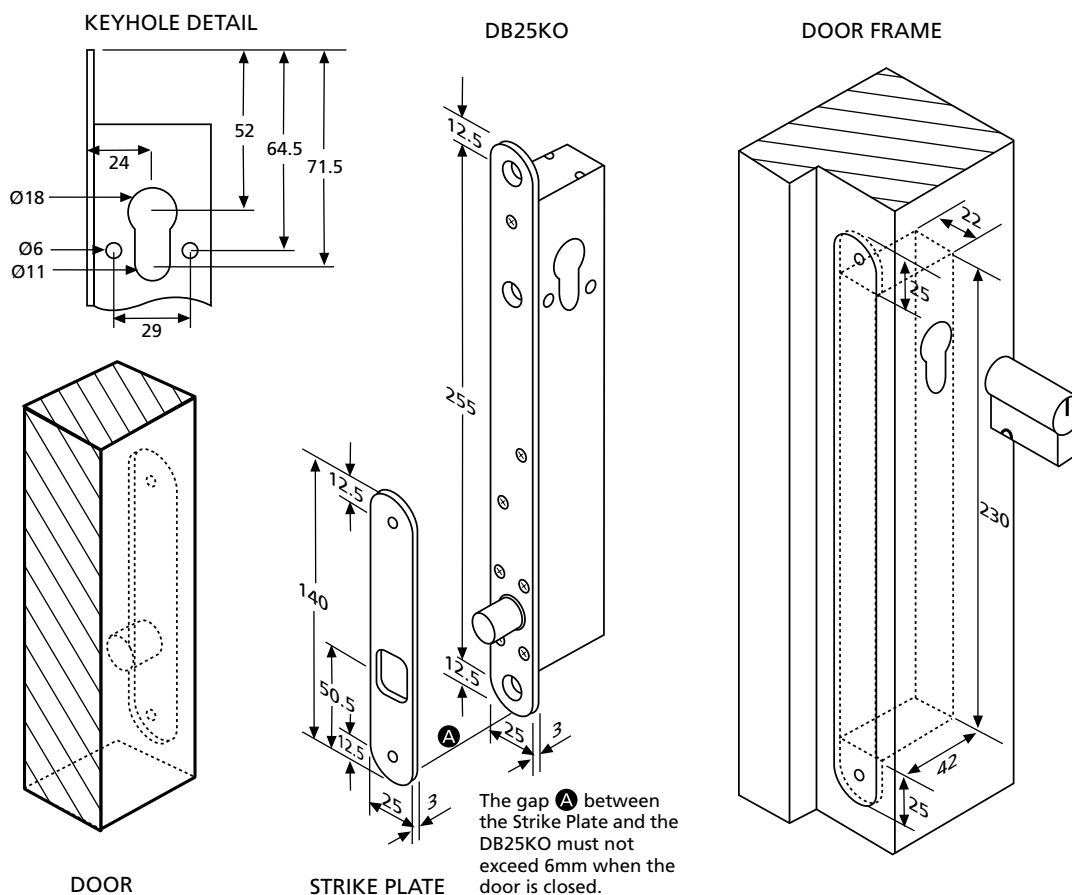
Multiple auto relock function - when relocking the bolt makes 8 locking attempts over 16 seconds. Change in the Bolt Position Switch status indicates that the door has been locked. Fail open models only.

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 PTOPEN**

ACCESSORIES	CODE
Surface Mounting Kit - Surface Mount Housing/Surface Mount Strike Box/ Long Strike Plate (stainless steel)	**DB25KO/SMH-KIT**
Extras for glass applications - Kit comprises 2 stainless steel Dress Plates	**DB25KO/SMK-DP**
Long Strike Plate - Replacement	**DB25KO/LONG**
Half Euro Profile Cylinder Keyed Alike 40mm	**5224**
Half Euro Profile Cylinder Keyed Differ 40mm	**5222**

KEYHOLE DETAIL   DB25KO   DOOR FRAME

DOOR   STRIKE PLATE

The gap **A** between the Strike Plate and the DB25KO must not exceed 6mm when the door is closed.

Housing dimensions: 295mm (L) x 47mm (H) x 28.5mm (W)

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

5 YEAR GUARANTEE

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	Fail Open - Power to Lock	**DB25L/PTLOCK**

12-24v DC - 25mm wide radius cornered faceplate including long strike plate with square hole.
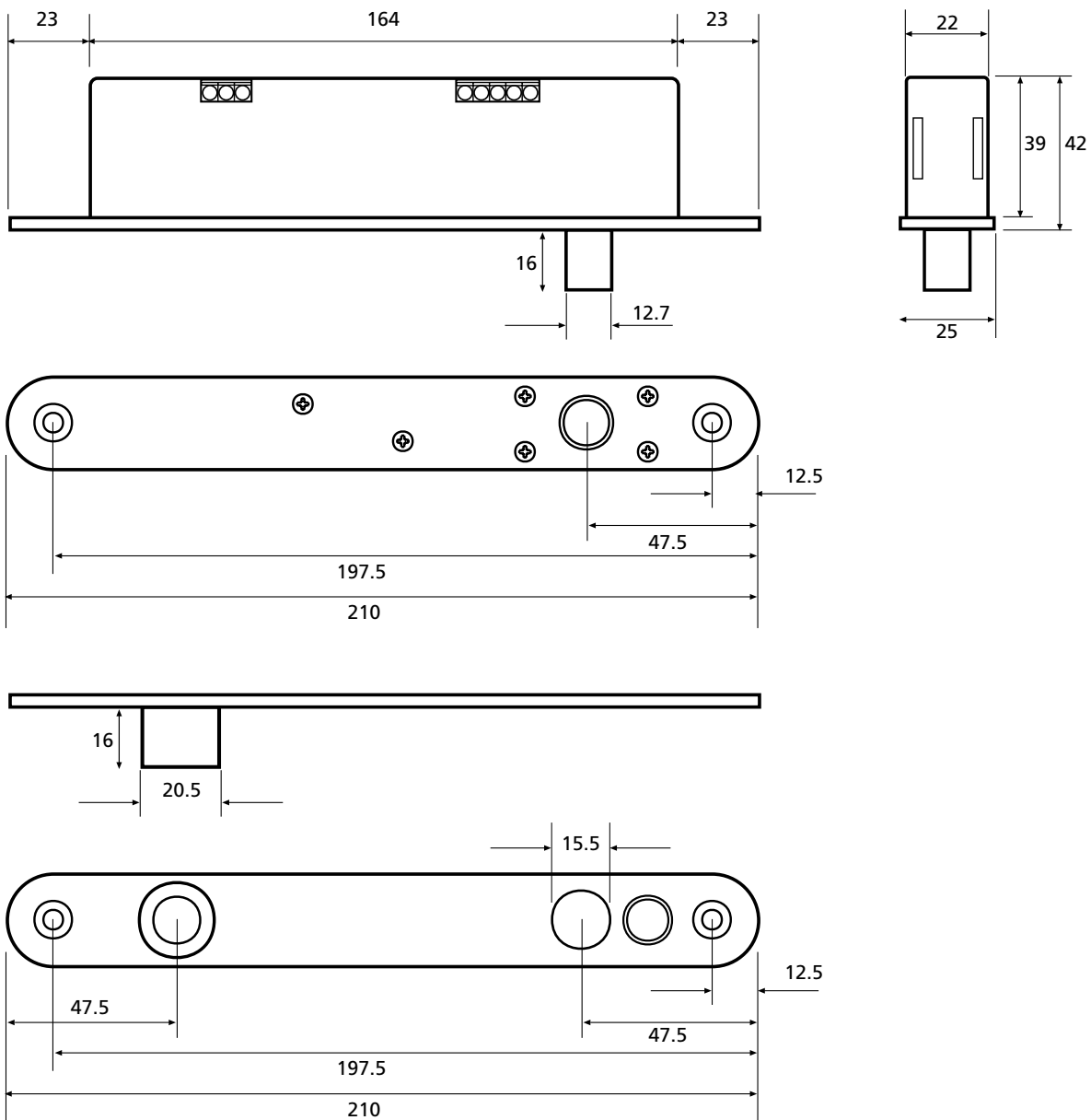
electric mini bolt

EB501

3 YEAR GUARANTEE

The Alpro EB501 Electric Mini Bolt allows for remote access and exit control of most timber and metal 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±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

118   20   30   12   22

4.1Ø   12Ø   DPS reed magnet   31
22   13   22
150   22   85
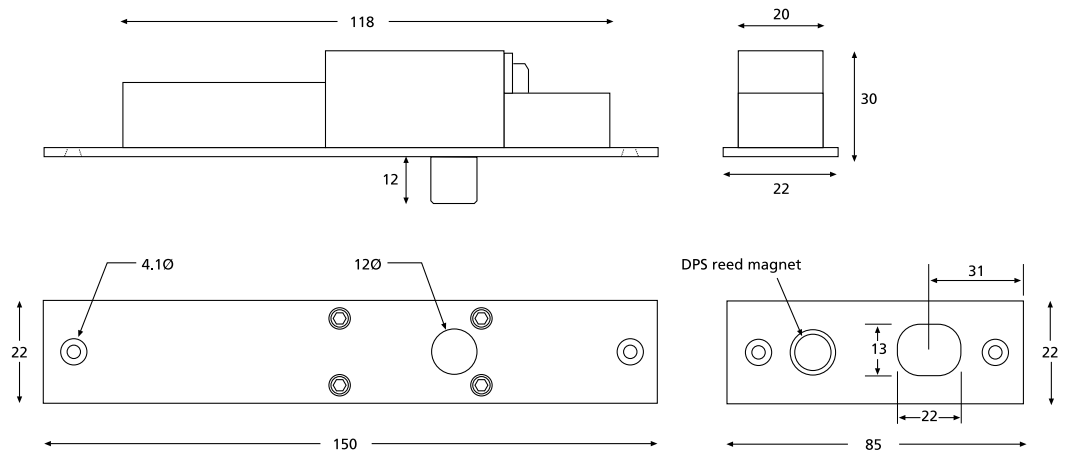
Ordering Information/Specifications

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

cabinet locks

ACL200

3 YEAR GUARANTEE

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

Compact case size
70mm (H) x 35mm (W) x 30mm (D)

Approvals
CE Approved

Lock

Striker → ← **Striker**

← **Striker**

↑
Striker

Striker can enter lock from any three sides including sliding on.

70

30   35

35
10
40   30 C/C
17
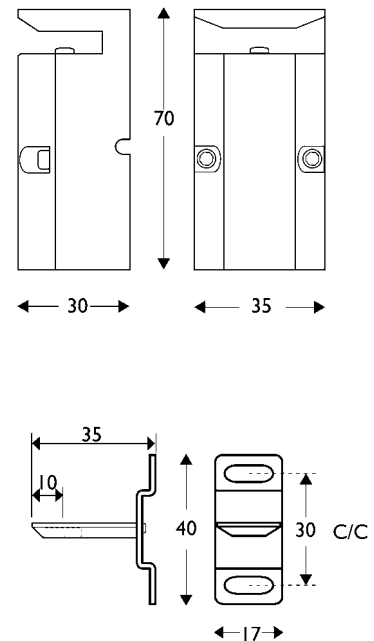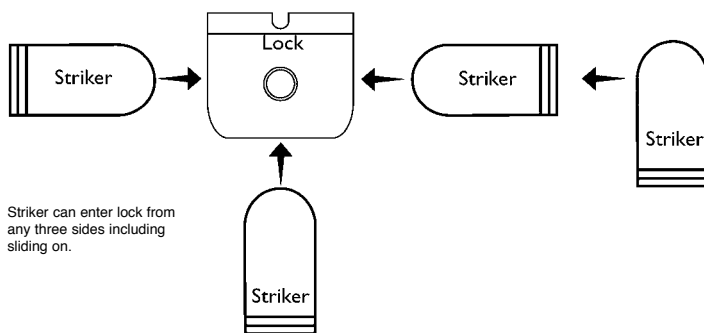
Ordering Information/Specifications

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 EMS1200 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.
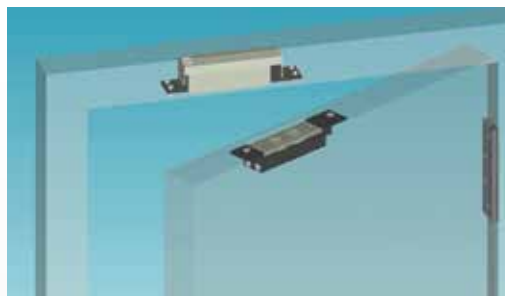
High Physical Security
Shear Holding Force 1200kg

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

IMPORTANT NOTE:
THE EMS1200 COMPACT SHEARLOCK IS NOT SUITABLE FOR VERTICAL INSTALLATION

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	CODE
Mortice Shearlock -12/24v DC Door position Switch -	
Monitored complete with on board PCB/Plug in 3m flying leads	**EMS 1200M**
Surface Mount Shearlock as above complete with Surface Mount Housings x2	**EMS 1200S**
Mortice Shearlock as above complete with Surface Mount Housings x1	**EMS 1200SM**

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	**GDC 1200**
Aluminium Filler Plate 1mm thick x1	**FP 1200 - 1**
Aluminium Filler Plate 2mm thick x1	**FP 1200 - 2**
Aluminium Filler Plate 6mm thick x1	**FP 1200 – 6**

Regulated PSU/Back Up Battery

12v 2Amp Power Supply Unit	**IECPSU12V2AMP**
24v 2Amp Power Supply Unit	**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
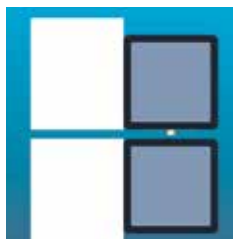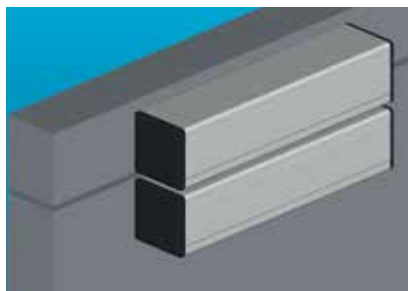
Side View

Metal door to metal frame - offset
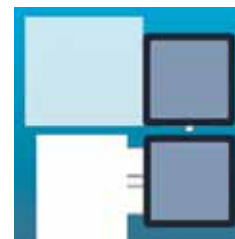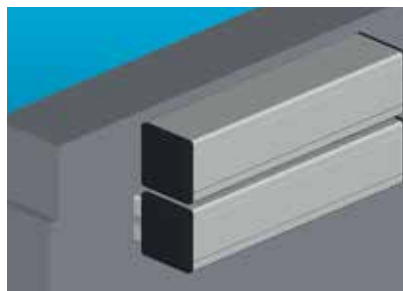
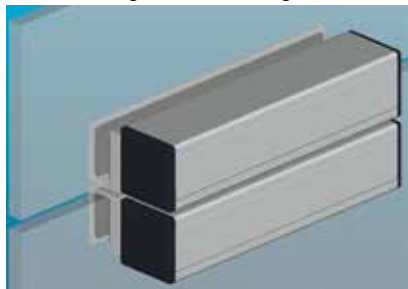Side View

Metal door to metal frame
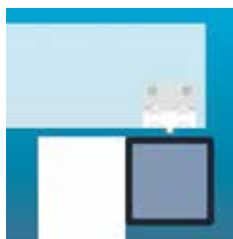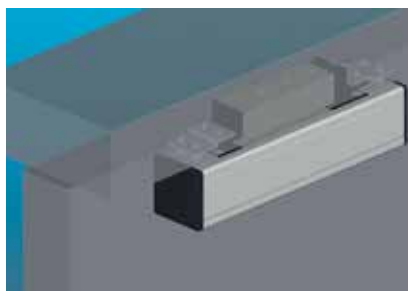
Side View

Frameless glass door to metal frame, Armature surface.
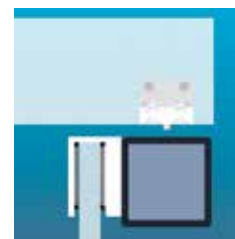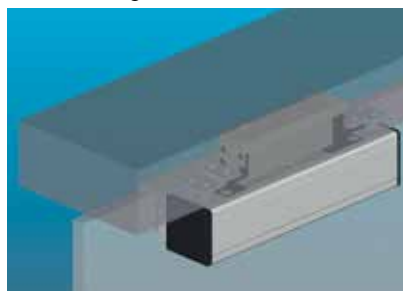
Side View

Frameless glass door to glass
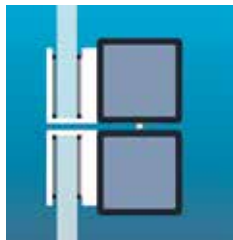
Side View

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.

CLEAN GREEN LOCKING MACHINE

VORTEX®

Surface Mounting for easy retrofit

Armature Plate Security Bracket

No residual magnetism

Accessories
L & Z brackets
Glass door bracket

Patented

5 YEAR GUARANTEE

DESCRIPTION	FINISH	CODE
Surface mounted magnet. Secure armature – LED – 12/24vDC	Satin Anodised	**AL2400-LP**

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

256
140
30
180
30
150
30.5
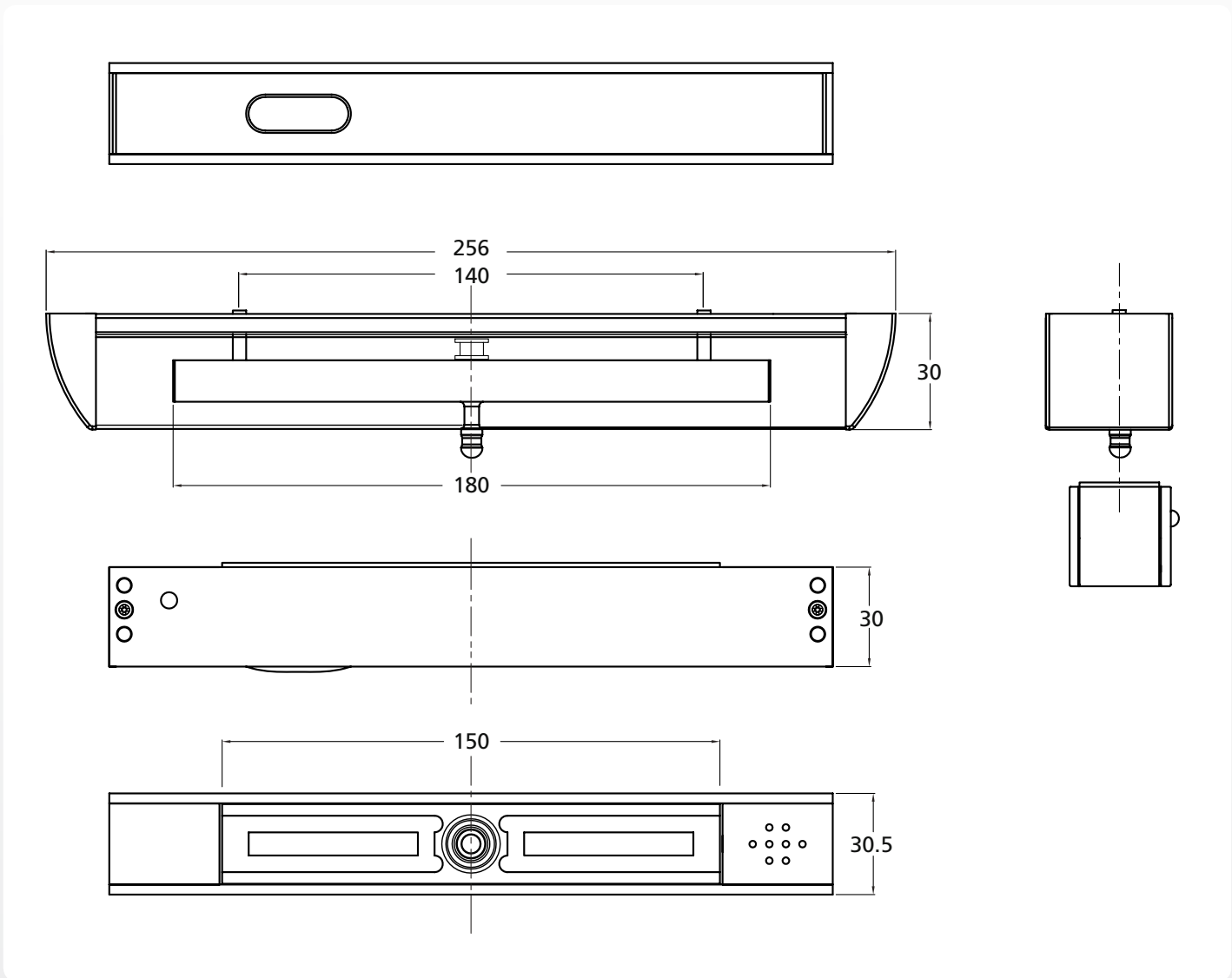
mortice door magnet

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.
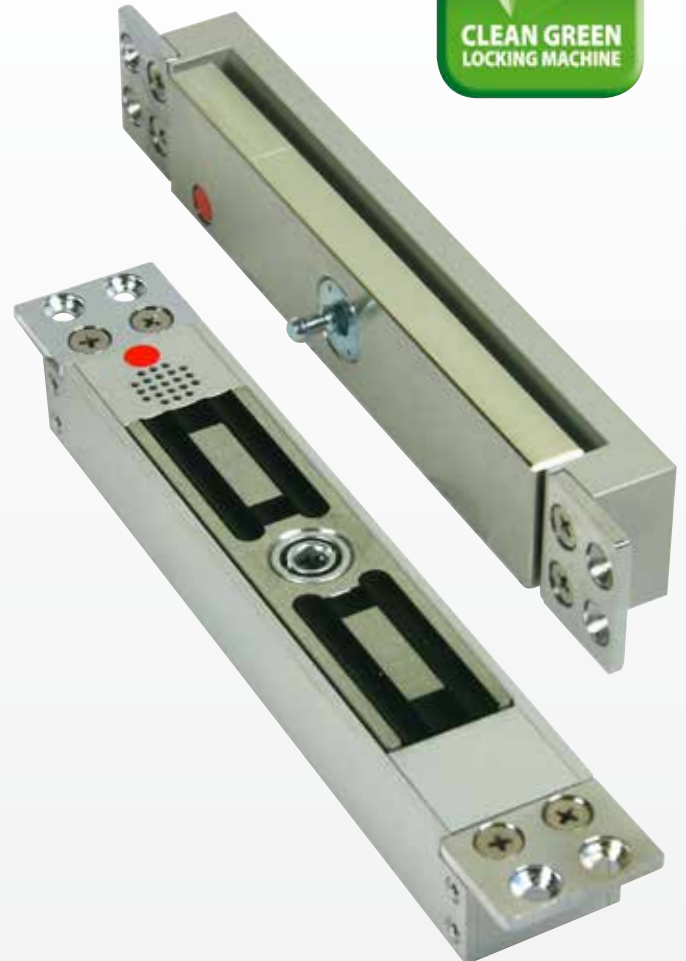
High Holding Force
Holding force 1,500Kg

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.

Built-in MOV Surge Protection

Mortice mounting for concealed installation
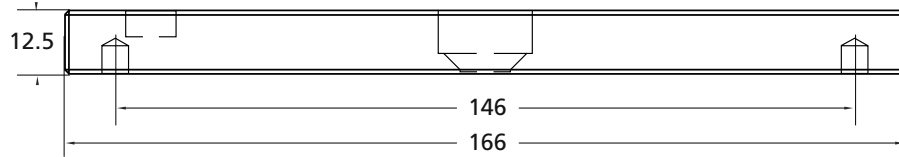
Armature plate security bracket
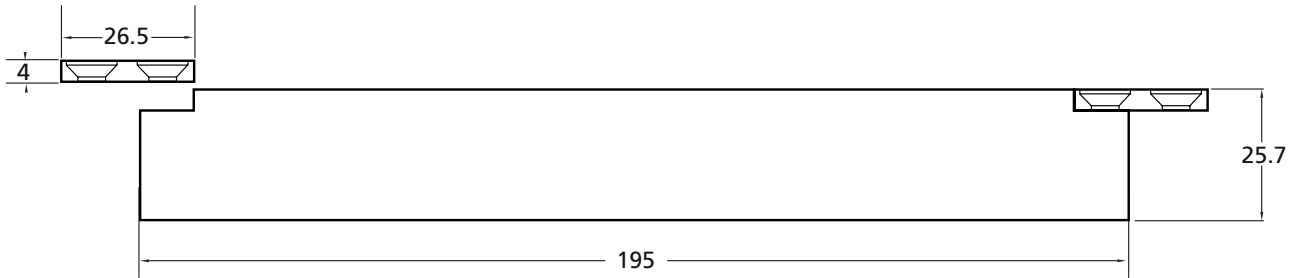
No residual magnetism

ISO and TÜV tested

Patented

5 YEAR GUARANTEE

DESCRIPTION	FINISH	CODE
Small mortice mounted magnet - 12/24vDCC	Satin Anodised	**AL1982–35.5**

Armature plate

12.5

146
166

Armature plate including bracket (side view)

26.5
4
25.7
195

Armature plate including bracket

35.5 34
15.5
186
214

Magnet

35.5 15.5
173.5
14
186
226
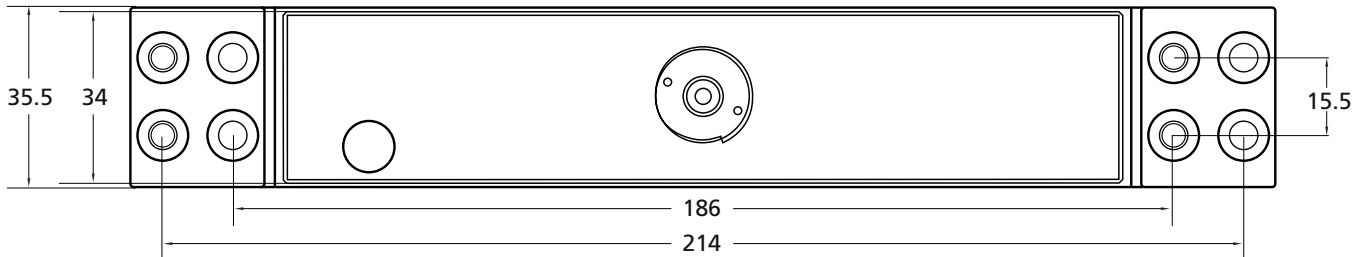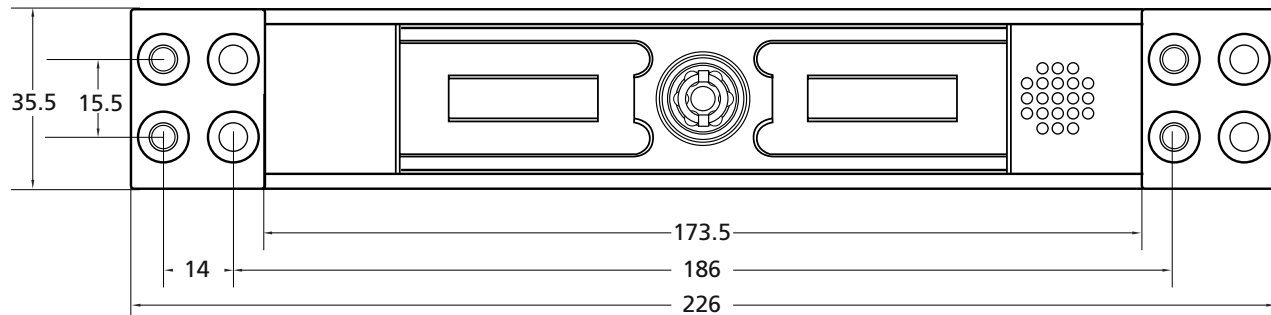
automatic door magnet

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 a12v/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

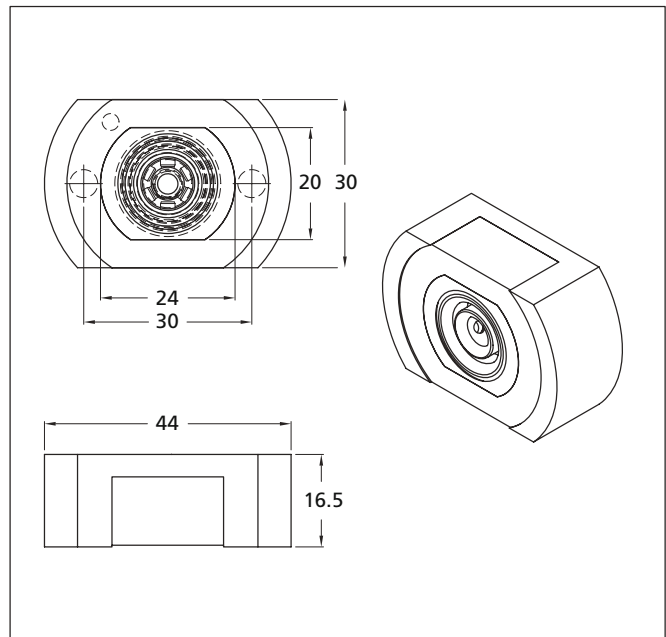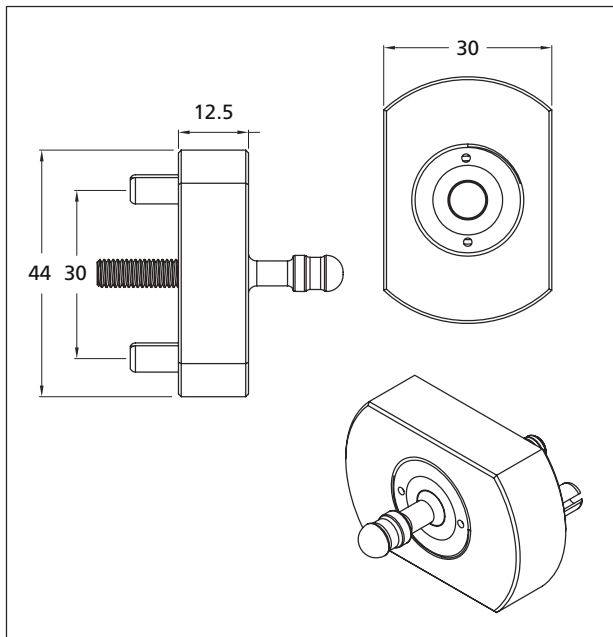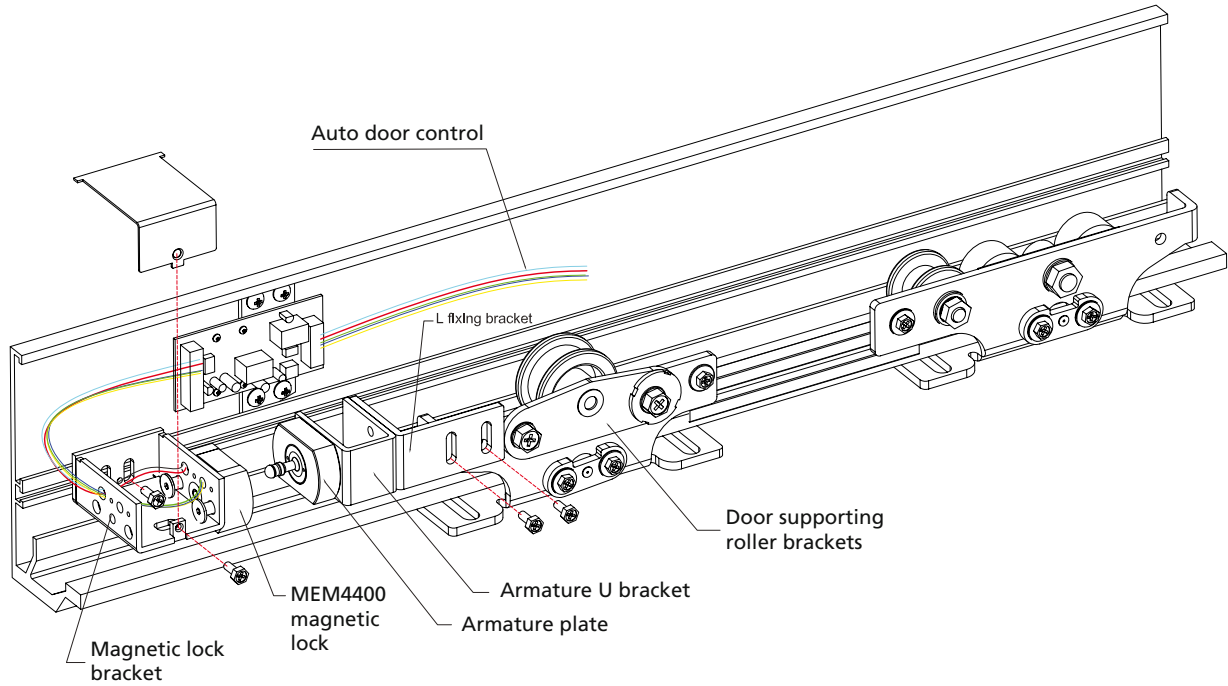**Surface mounting for easy retrofit**

Armature plate security bracket

No residual magnetism

ISO and TÜV tested

PatentedPatented

www.alpro.co.uk   01202 676262

5 YEAR GUARANTEE

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

Auto door control

L fixing bracket

Door supporting roller brackets

MEM4400 magnetic lock

Armature U bracket

Armature plate

Magnetic lock bracket

30

12.5

44 30

20 30

24

30

44

16.5

locks

Magnets

Functionality
Magnets can be used to facilitate access and exit control systems for a variety of aluminium, timber and steel doors. The magnets embodies clean aesthetic looks with the ability to maintain a holding force of 250kgs (550lbs), offers low maintenance, and ease of installation. They provide positive fail safe operation (unless battery back up is available) at all times. Suitable for both inward and outward opening doors.

250kg Mini Magnets
Specification

Single magnet	25mm x 250mm x 42mm
Double magnet	25mm x 500mm x 42mm
Armature plate	160mm x 36mm x 11mm (x 2 for double magnet)
Holding force	250kgs (550lbs) (x 2 for double magnet)

500kg Magnets
Specification

Single magnet	40mm x 266mm x 73mm
Double magnet	40mm x 532mm x 73mm
Armature plate	160mm x 61mm x 16mm (x 2 for double magnet)
Holding force	510kgs (1120lbs) (x 2 for double magnet)

General Specification

Supply voltage	Dual voltage 12 or 24vDC (Dual coil). Nominal +/- 10%
Nominal current	500mA @ 12vDC, 250mA @ 24vDC Built in voltage spike suppressor
Monitoring	Relay with dry contact integral LED
Door Gaps	Maximum 3mm
Positioning	Outward opening - surface mounted to door header transom bar. Inward opening - door frame transom bar using L & Z brackets
Magnet housing	Brushed Satin Aluminium

Please note: To ensure immediate release, it is important that the release switch breaks the circuit between the power supply and the magnet

Adjustable L Bracket
30mm x 250mm x 48mm

L & Z Bracket
30mm x 250mm x 48mm
(adjustable and standard L brackets)

L & Z Bracket
30mm x 250mm x 48mm
50mm x 160mm x 50mm (adjustable plates)

DESCRIPTION	CODE
250kg Mini Magnets	
250kgs mini magnet non monitored	**56121**
250kgs double mini magnet non monitored	**56122**
250kgs mini magnet monitored	**56111**
250kgs double mini magnet monitored	**56112**
500kg Magnets	
500kgs magnet non monitored	**56221**
500kgs double magnet non monitored	**56222**
500kgs magnet monitored	**56211**
500kgs double magnet monitored	**56212**

ACCESSORIES

Adjustable L brackets: Suits typical outward opening door applications, where space restrictions do not allow the magnet to be fitted at the head of the door frame. L & Z brackets allow magnets to be used on inward opening door applications.

L bracket for mini magnet	**561A**
L & Z bracket for mini magnet	**562A**
L bracket for 500kgs magnet	**563A**
L & Z bracket for 500kgs magnet	**564A**

N.B. - 2 brackets required for double magnet
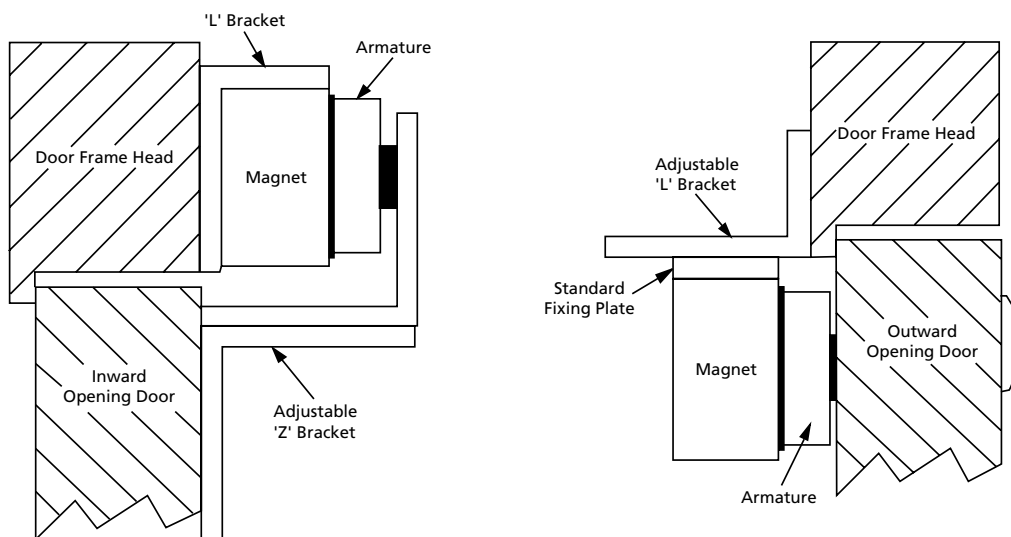
waterproof keypad

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.

NEW Slimmer Body

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

Slim Surface

Magnetic Door Lock

RQE

Choose Magnetic Door Lock or Electric Strike

Electric Door Strike

Keypad

AC Transformer
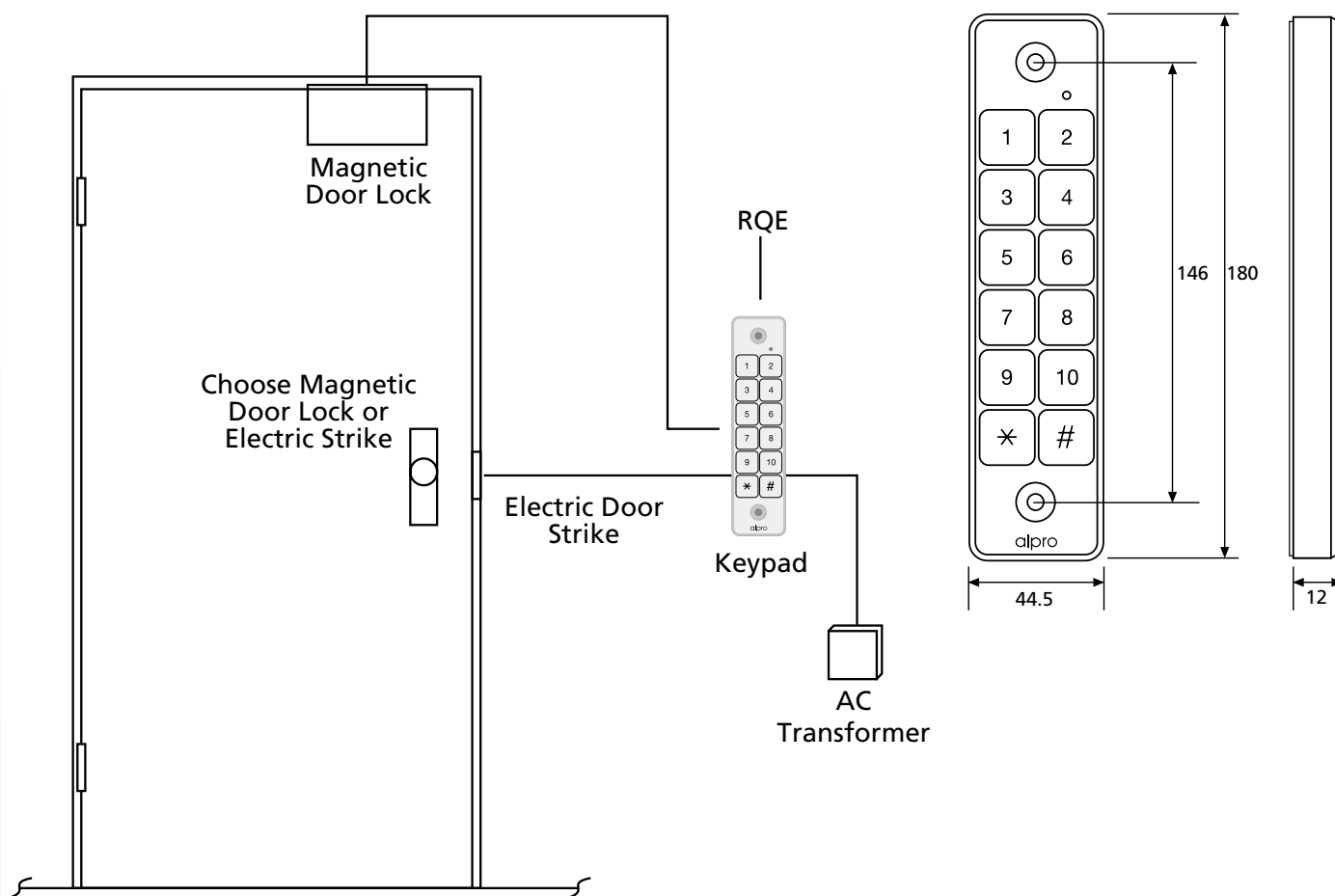
backlit keypad

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

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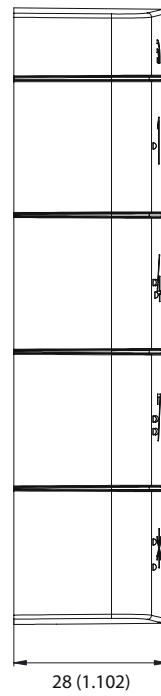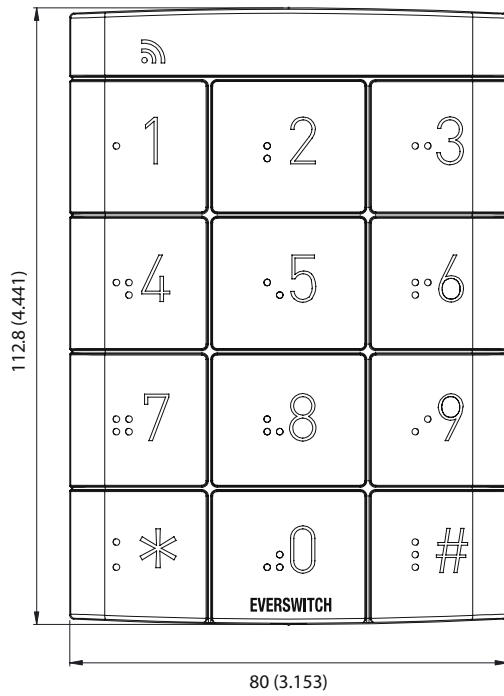100 million combination 4 to 8 digit codes which can be used simultaneously

Approvals
CE and UL

5 YEAR GUARANTEE

DESCRIPTION	FINISH	CODE
Backlit Self Contained Keypad - Surface Mounted	Black Polycarbonate	**AS-ATP2S200**

112.8 (4.441)

80 (3.153)

28 (1.102)

20 (0.787)

21.5 (0.846)

21.5 (0.846)

20 (0.787)

Ø

9.5 (0.374)

33.6 (1.323)

9.5 (0.374)

EVERSWITCH
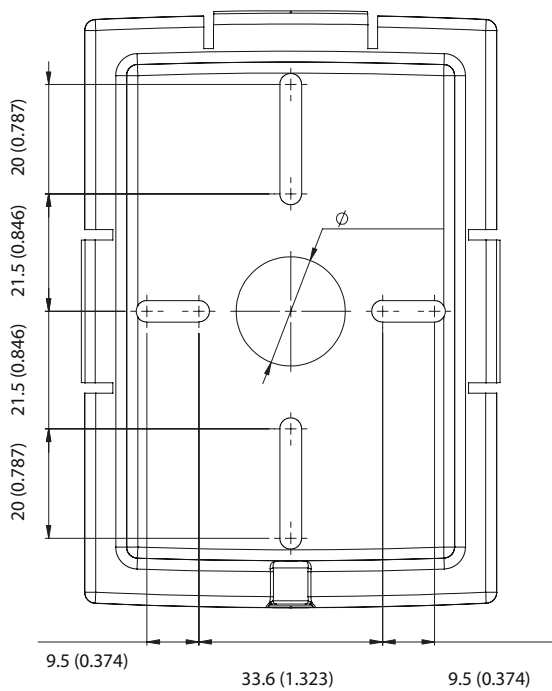
waterproof exit switch

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^{-6} 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^{-6} 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

5 YEAR GUARANTEE

| DESCRIPTION	CODE
SMA Switch - Non LED - Intrinsically Safe	
Natural Anodised Exit Switch – MK 1 gang switch plate	**IEC06/1N**
Natural Anodised Exit Switch – Narrow style switch plate	**IEC06/1N/NS**
Accessories	
Surface mount housing for MK 1 gang	**IEC0610-1**
Surface mount housing for Narrow Style	**IEC0620-1**
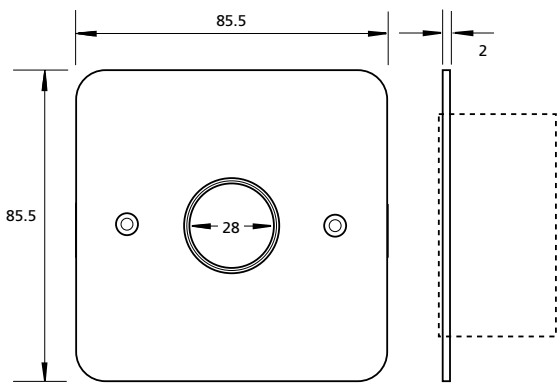
Standard MK1 gang plate dimensions
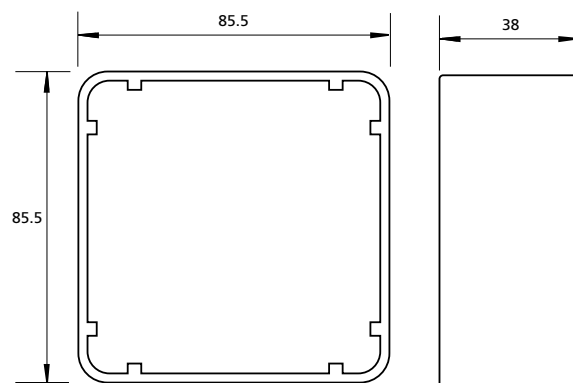
MK1 gang surface housing - brushed aluminium
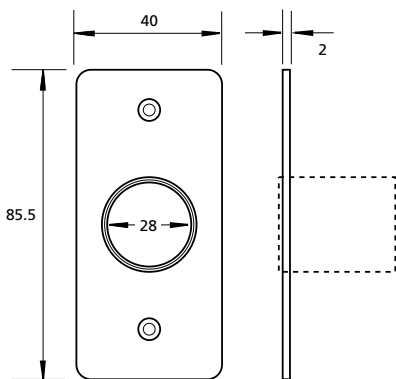
Narrow style plate dimensions
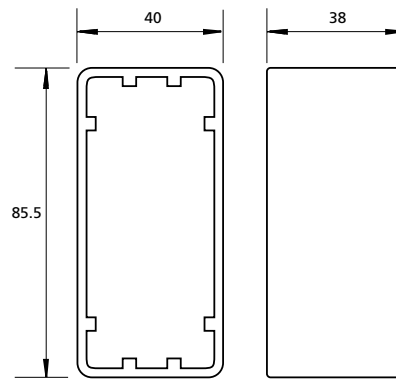
Narrow style surface housing - brushed aluminium

N.O. SPST
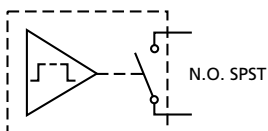
SMA Switch - Non LED

interlock controller

IB1

2 Door True Interlock Controller
Processor control prevents both doors opening at the same time. Firmware control of all logical functions.

Dual Voltage
12 or 24v DC

High Load Capability
5 Amp double pole change over relay (1 powered output, 1 volt free) NO, NC, C - Per Door.

Flexible Installation
Pluggable terminal blocks
Nylon stick-on mountings supplied

Dual Alarm Output
Selectable door forced or door left open alarm output
1 Amp full changeover relay output.

Dip Switch Controls
Accurate switching for simple and constant door control
0-62 seconds adjustable door open time
0-45 seconds adjustable door alarm delay

Cancels Remaining Door Open Time
On closing of active door, allowing other doors to open

Independent Controls For Each Door
All Inputs and outputs are individual for each door including timer settings and door override inputs

Door Status LED Output
LED output allows remote signal indication to show door status

Engineering LED's
9 LED's allow simple diagnostic testing to be carried out in seconds.

Fully Expandable To Infinite Number Of Doors
Simple cross wire connection allows additional boards to be connected creating a complete interlock system of an infinite number of doors. Simply connect additional IB1 controllers as required.

Locked or Unlocked Modes
Controller will operate in both Secure 'All Doors Locked' mode or Convenience 'All Doors Open' mode to suit all applications.
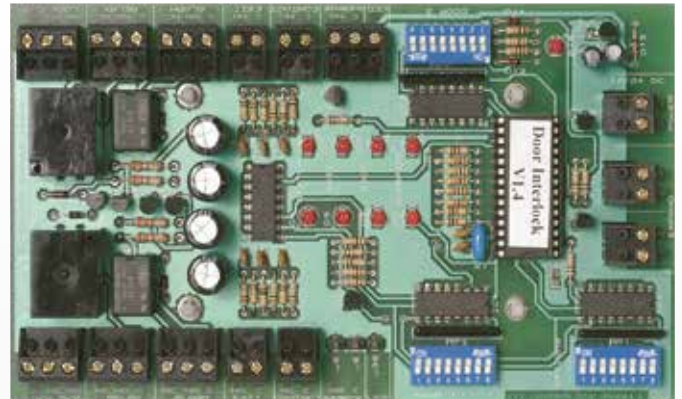
IB1 PCB only



ALP0654-1NS

ALP0658-1-L-SNS

ALPIB1BUTTON/LEDV2

DESCRIPTION	CODE
Interlock Control Board	**IEC-IB1**
Interlock Control Board Mounted in Metal 12v DC, 3 amp power supply	**IEC-IB1PSU12V3AMP**
Interlock Control Board Mounted in Metal 12v DC, 5 amp power supply	**IEC-IB1PSU12V5AMP**
Indicator Plate 12vDC - no legend	**ALP0654-1NS**
19mm Vandal Resistant SSS Button 12vDC - no legend	**ALP0658-1-L-SNS**
19mm Vandal Resistant Button & Led 12vDC – with legend	**ALPIB1BUTTON/LEDV2**

ALP0654-1NS

ALP0658-1-L-SNS

ALPIB1BUTTON/LEDV2
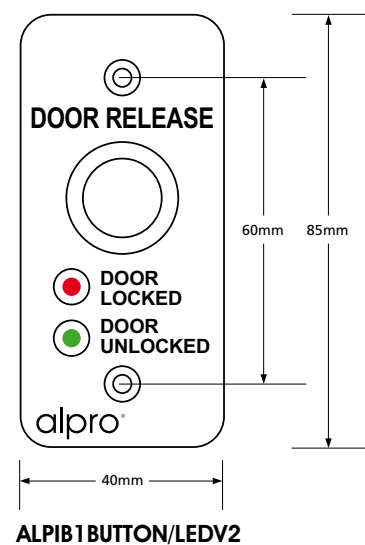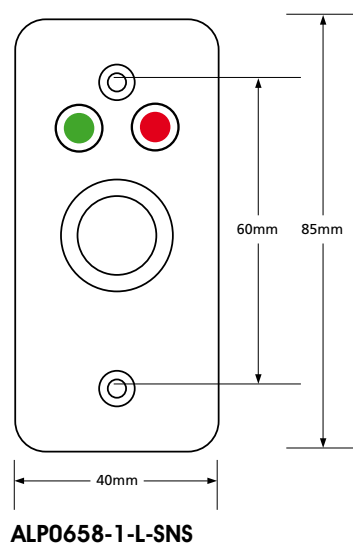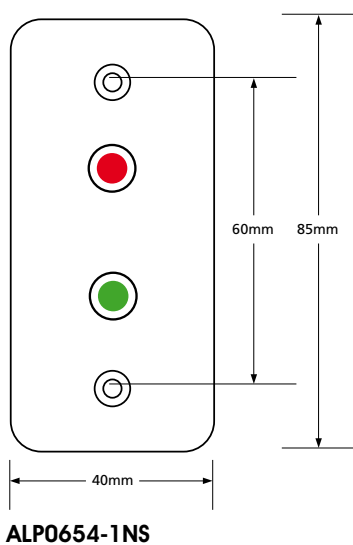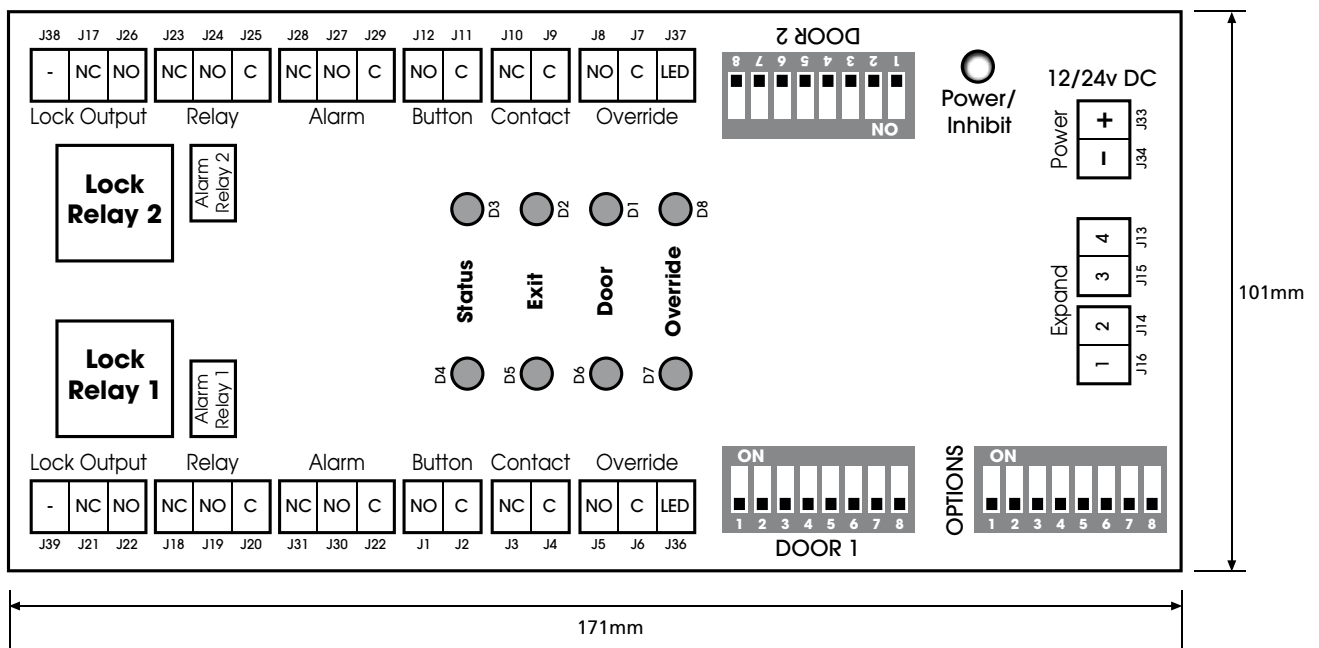
infrared proximity switch

PB86

3 YEAR GUARANTEE

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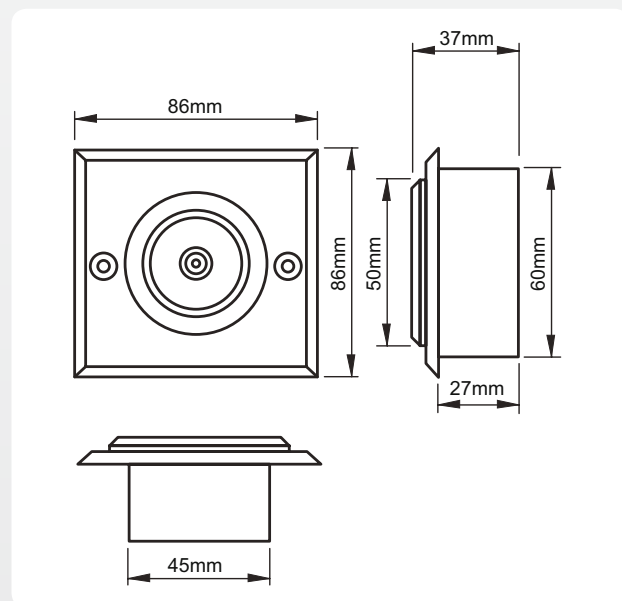
Dimensions: 86 (L) x 86 (W) x 37 (H) mm

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

CE RoHS Compliant

Ordering Information/Specifications

DESCRIPTION	CODE
Infrared Proximity Switch - 12v	**ALP-PB86**
Remote Control Keypad Unit	**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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Registered in England 1925537   2/2017

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