

PRODUCT FILE

Responder 24

Pack includes:

- Specification/Data sheet
- Product codes
- EU CE cert
- EU CE Declaration of Performance (DoP)
- UKCA cert
- UKCA Declaration of Performance (DoP)
- Fitting instructions
- Wiring Diagram
- O&M Manual

ELECTROMAGNETIC DOOR CLOSERS

Responder 24

Power Supply Unit
Please see page 55
for more detail.



ELECTROMAGNETIC DOOR CLOSERS

Responder 24

Offering Hold-Open & Swing-free modes, and being fully universal fitting with left, right, push & pull available from one box, the Responder 24 is a highly adaptable closer, suitable for use in varying applications, from care-home scenarios where swing-free is in demand, to airports and schools, where high-traffic passes through a door.

- Electromagnetic technology ensuring safe closure in a fire alarm activation
- 5 Finishes available for next day delivery
- Fire tested to BS EN 1154, BS EN 1155 and BS EN 1634-1 standards



3rd Party Certification



Opening Angle 150°



Two-Stage Speed Regulation



Guarantee



Max Door Width



Max Door Weight



Finishes

See page 96 for more detail



SE Silver



SNP Satin Nickel



PNP Polished Nickel



PVD Polished Brass



AB Antique Brass

Rutland PSU is recommended and suitable for 4 E-mag devices.

We recommend the fitter consults with the cable voltage drop table due to the fact that cable sizing and length from PSU to Responder 24 can affect voltage drop.

It is the responsibility of the fitter to ensure the correct cable thickness is used for the situation in hand.

Voltage Output : 24v DC

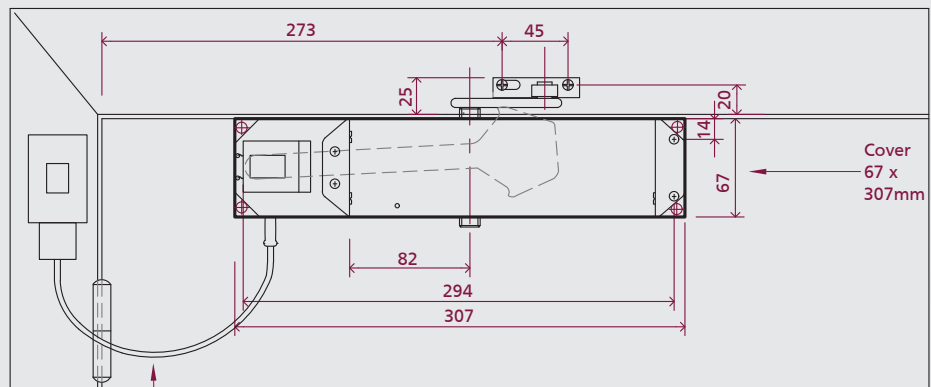
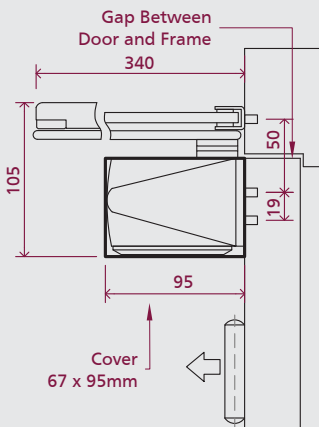
It is recommended that for each FireTrak Door Close that a 1A Power Supply Unit is specified, however if fitting to double doors then a 2A Power Supply Unit can be used to operate the two FireTrak Closers.



Product Features	Responder 24
Delayed Action	-
Back Check	-
Opening Angle	150°
Fig.1 Pull Side Door Width	385-1100mm
Fig.66 Push Side Door Width	502-1100mm
Fig 61 Transom Mount	385-1100mm
Max Door Weight	<80kg
Power Adjustment	-
Hold Open	o
Dimensions (including cover)	W307 x H67 x D95mm

Certification Compliance	Responder 24
Certifire	-
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1155	✓
BS EN 1634	✓
UL10C	-
UL228	-
ANSI BHMA	-
IFCC	✓
EPD 3.09E+01 kg CO ₂ eq	✓


Key: ✓ Yes - No o Option



Wire Length 300mm

All dimensions shown are in mm.

For fitting instructions see website

Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
Responder 24					
 <p>Responder 24 Electromagnetic Door Closer</p>	4	Silver	10912	ETS.18314.SE	4
		Satin Nickel	10913	ETS.18314.SNP	4
		Polished Nickel	10910	ETS.18314.PNP	4
		Polished Brass	10909	ETS.18314.PVD	4
		Antique Brass	12193	ETS.18314.AB	4
		Black	12409	IP.RESPONDER.M	100
		Extension Wire and Black Box (600mm)	-	Black	11944



CONTROLLED DOOR CLOSING DEVICES

Certificate number: IFCC 1482

This is a product certificate to certify that

RUTLAND UK

Whittington Way,
Chesterfield
S41 9AG
UK
Telephone no. 01246 261491

Who manufacture the following Overhead Door Closer:

Responder 24

have satisfied the requirements of the SDP08 Controlled Door Closer scheme. This includes the testing of products to **EN 1634-1** and **EN 1155** standard, the inspection of Factory Production Control and continuing surveillance audits and testing of samples of products taken from production.



First Issued: 06 Feb 2019
Valid to: 05 Feb 2024
Issue No: 1



175

A handwritten signature in black ink, appearing to read 'Ian Woodhouse'.

Ian Woodhouse
Director of Certification

IFC Certification Ltd, 20 Park Street, Princes Risborough, Buckinghamshire. UK, HP27 9AH
Tel: +44 (0)1844 275500 Fax: +(0)1844 274002 E-mail: info@ifccertification.com Web: www.ifccertification.com
Registered No: 4777898 England

The certificate and schedule are held in force by regular annual surveillance visits by IFC Certification and the reader or user should contact IFC Certification to validate its status. This certificate remains the property of IFC Certification and must be returned to them on demand.

Rutland Responder 24, Electromagnetic Door Closer

Acceptable doorset types and fire resistance periods are identified in the table below: -

Approved Door Types						
FR	IMM	MM	TT	ITT	ITM	ITC
FD20	✓	✓	X	✓	X	X
FD30	✓	✓	X	✓	X	X
FD60	✓	✓	X	✓	X	X
FD90	✓	✓	X	X	X	X
FD120	✓	✓	X	X	X	X
FD240	✓	✓	X	X	X	X
E20	✓	✓	X	✓	X	X
EI20	✓	✓	X	✓	X	X
E30	✓	✓	X	✓	X	X
EI30	✓	✓	X	✓	X	X
E60	✓	✓	X	✓	X	X
EI60	✓	✓	X	✓	X	X
E90	✓	✓	X	X	X	X
EI90	✓	✓	X	X	X	X
E120	✓	✓	X	X	X	X
EI120	✓	✓	X	X	X	X
E240	✓	✓	X	X	X	X
EI240	✓	✓	X	X	X	X

Key

Type TT - 20 minute doorsets that consist of non-metallic leaves in timber frames that do not contain intumescent materials in the frame to leaf gap.

Type ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

Type ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

Type ITC - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

Type IMM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

Classification

Category of use	Durability	Power Level	Fire	Safety	Corrosion Rating
4	8	4	1	1	0

This approval only relates to its use with the door assemblies and configurations identified in PAR 18695 Rev 01:-

TT Timber Leaf & Timber Frame

May be fitted Standard, Parallel arm or Transom fixing position on previously tested single-acting, latched or unlatched, intumescent sealed timber door and timber frame assemblies.

IMM & MM Metal Leaf & Metal Frame

May be fitted Standard or Parallel arm fixing position to single-acting steel door assemblies, if required to the fire risk or non-fire-risk face of the leaf of previously tested uninsulating or insulating steel door leaf and frame assemblies.

DECLARATION OF PERFORMANCE



DoP-Responder.24-EM-CE

(Responder 24 Fig 1 & Fig 61)

- Unique identification code of the product / type:-
Responder 24 2-4 variable power Surface Fixed Electro-magnetic Door Closer with Fig 1 Standard Fixing Position, with hold open, swing free and adjustable latch action, 150 degree maximum opening angle. Fig 61 Transom mounting with min 20mm head projection
- **Re-order Code allowing identification of the construction product as required under Article 11(4) of CPR:**
10912, 19913, 10910, 10909, 12193, 12409
- Intended use:- For use on fire/smoke compartmentation doors, when fitted in accordance with the supplied fitting instructions and maintained to the manufacturers O&M Manual.
- Manufacturer:- Rutland Door Controls Europe Limited, Unit 5B, Fingal Bay Business Park, Balbriggan, Dublin, Ireland
- System/s assessment and verification of constancy of performance (AVCP):- System 1
- Harmonised Standard:- EN 1155:1997 + A1:2002
- Notified Body:- CEM International EU notified body no. 1942
- Certification No.:- 1942-CPR-44-01111-18-01
- Declared Performance:-

Conditioning: Standard Position (Fig 1) power size 2-4, with hold open, seing free, 150 degree maximum opening angle

Essential Characteristics	Performance	Harmonised Technical Specification
<i>Ability to release</i>		EN 1155:1997 + A1:2002
5.1.2 Release from any angle	Pass	
5.1.3 Not possible to inhabit the release	Pass	
5.1.4 Supply voltage	Pass	
5.1.5 External electrical contact	Pass	
<i>General</i>		
5.2.2 Electrical release	Yes	
5.2.3 Door closing device EN1154 requirements	Yes	
5.2.4. Durability	Pass	
5.2.5 Angle of hold open	Pass	
5.2.6 Manual release	Pass	
5.2.7 Continuous hold open	Pass	
5.2.8 Overload performance	Pass	

DECLARATION OF PERFORMANCE



5.2.9 Delayed release	Pass
5.2.10 Electrical Performance	Pass
5.1.11 Temperature Rise	Pass
5.1.12 Damage	No
5.1.13 Fire / smoke doors	Yes
5.2.9 Delayed release	Pass

<i>Durability of Self Closing</i>		EN 1155:1997 + A1:2002
5.2.17 Corrosion resistance	High corrosion resistance - Grade 3 (96 hours)	
Dangerous Substances	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations	

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

A handwritten signature in black ink, appearing to read 'Kevin O'Reilly', written over a horizontal line.

Kevin O'Reilly
Technical Director

Dated 18-04-2024

DECLARATION OF PERFORMANCE



DoP-Responder.24-66-CE



(Responder 24 Fig 66)

- Unique identification code of the product / type:-
Responder 24 2-3 variable power Surface Fixed Door Closer with Fig 66 Parallel Arm Fixing Position push side, with hold-open , swing free and latch adjustment, 150 degree maximum opening angle.
- **Re-order Code allowing identification of the construction product as required under Article 11(4) of CPR:**
10912, 10913, 10910, 10909, 12193, 12409, 11944
- Intended use:- For use on fire/smoke compartmentation doors, when fitted in accordance with the supplied fitting instructions and maintained to the manufacturers O&M Manual.
- Manufacturer:- Rutland Door Controls Europe Limited, Unit 5B, Fingal Bay Business Park, Balbriggan, Dublin, Ireland
- System or systems assessment and verification of constancy of performance (AVCP):- System 1
- Harmonised Standard:- EN 1154:1996 + A1:2002 and EN 1155:1997 + A1:2002
- Notified Body:- CEM International EU notified body no. 1942
- Certification No.:- 1942-CPR-44-0111-18-01
- Declared Performance:-

Conditioning: Parallel Arm Fixing (Fig 66) power size 2-3, with adjustable latch action, hold open and swing free, 150 degree maximum opening angle

Essential Characteristics	Performance	Harmonised Technical Specification
<i>Self-closing (5.2.1 General)</i>		EN 1154:1997 + A1:2002 & EN 1155:1997 + A1:2002
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Power size 2 - 3	
5.2.4 Opening moment	Power size 2 - 3	
5.2.5 Efficiency	Pass	
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 3 for closing doors from 105 degrees	
5.2.8 Overload performance	Pass	
5.2.9 Temperature dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check	Pass	
5.2.15 Adjustable closing force	Pass	

DECLARATION OF PERFORMANCE



<i>Durability of Self Closing</i>		EN 1154:1997 + A1:2002 & EN 1155:1997 + A1:2002
5.2.2 Durability	500,000 test cycles – Grade 8	
5.2.17 Corrosion resistance	High corrosion resistance - Grade 3 (96 hours)	
Dangerous Substances	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	

The performance of the product identified above is in conformity with the set of declared performance/s.

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Kevin O'Reilly
Technical Director

Dated 18-04-2024

DECLARATION OF PERFORMANCE



DoP-Responder.24-1-CE

(Responder 24 Fig 1 & Fig 61)

- Unique identification code of the product / type:-
Responder 24 2-4 variable power Surface Fixed Electro-magnetic Door Closer with Fig 1 Standard Fixing Position, with hold open, swing free and adjustable latch action, 150 degree maximum opening angle. Fig 61 Transom mounting with min 20mm head projection
- **Re-order Code allowing identification of the construction product as required under Article 11(4) of CPR:**
10912, 19913, 10910, 10909, 12193, 12409
- Intended use:- For use on fire/smoke compartmentation doors, when fitted in accordance with the supplied fitting instructions and maintained to the manufacturers O&M Manual.
- Manufacturer:- Rutland Door Controls Europe Limited, Unit 5B, Fingal Bay Business Park, Balbriggan, Dublin, Ireland
- System/s assessment and verification of constancy of performance (AVCP):- System 1
- Harmonised Standard:- EN 1154:1996 + A1:2002
- Notified Body:- CEM International EU notified body no. 1942
- Certification No.:- 1942-CPR-44-01111-18-01
- Declared Performance:-

Conditioning: Standard Position (Fig 1) power size 2-4, with hold open, swing free and adjustable latch action, 150 degree maximum opening angle

Essential Characteristics	Performance	Harmonised Technical Specification
<i>Self-closing (5.2.1 General)</i>		EN 1154:1997 + A1:2002 & EN 1155:1997 + A1:2002
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Power size 2 - 4	
5.2.4 Opening moment	Power size 2 - 4	
5.2.5 Efficiency	Pass	
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 3 for closing doors from 105 degrees	
5.2.8 Overload performance	Pass	
5.2.9 Temperature dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check	Pass	
5.2.15 Adjustable closing force	Pass	

DECLARATION OF PERFORMANCE



<i>Durability of Self Closing</i>		EN 1154:1997 + A1:2002 & EN 1155:1997 + A1:2002
5.2.2 Durability	500,000 test cycles – Grade 8	
5.2.17 Corrosion resistance	High corrosion resistance - Grade 3 (96 hours)	
Dangerous Substances	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	

The performance of the product identified above is in conformity with the set of declared performance/s.

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Kevin O'Reilly
Technical Director

Dated 18-04-2024



CERTIFICATE OF CONSTANCY OF PERFORMANCE

1720-CPR-0230

In compliance with Statutory Instruments 2019 No.465 of the United Kingdom Houses of Parliament 5th March 2019 (The Construction Products (Amendment etc.) (EU Exit) Regulations 2019), this certificate applies to the construction product:

Rutland Responder 24 Electro-magnetic Overhead Door Closer –

an Electro-magnetic overhead closer for use on single action, single or double leaf fire resisting and smoke control doors.

Particular conditions applicable: **Power size 3 and 4, latch action, articulated arm, overhead surface.**

Standard arm classification
(Pull-side) EN 4

3	8	4	1	1	3
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Parallel arm classification
(Push-side) EN 3

3	8	3	1	1	3
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produced by

Rutland UK

Whittington Way, Chesterfield, S41 9AG

and produced in the manufacturing plant(s)

Factory Code: B - O, J - B

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN1154:1997 + A1:2002 & EN 1155:1997 + A1:2002

Under system 1 are applied and that the product fulfils all the prescribed requirements set out above.

This certificate was first issued on 1st January 2021 and revised 21 July 2022. It will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.



Director of Certification

Place of issue: Princes Risborough, UK

IFC Certification Ltd
UK Approved Body No. 1720

Ground Floor, Suite B, Building 2, Bear Brook Office Park, Walton Street, Aylesbury HP21 7GQ UK
Tel: +44(0) 1844 275500, Fax: +44(0) 1844 274002, E-mail: uk.ifccinfo@kiwa.com.com
Registered No: 4777898 England
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DECLARATION OF PERFORMANCE



DoP-Responder.24-EM-UKCA



(Responder 24 Fig 1 & Fig 61)

- Unique identification code of the product / type:-
Responder 24 2-4 variable power Surface Fixed Electro-magnetic Door Closer with Fig 1 Standard Fixing Position, with hold open, swing free and adjustable latch action, 150 degree maximum opening angle. Fig 61 Transom mounting with 0 and 20mm head projection
- **Re-order Code allowing identification of the construction product as required under Article 11(4) of CPR:**
10912, 19913, 10910, 10909, 12193, 12409
- Intended use:- For use on fire/smoke compartmentation doors, when fitted in accordance with the supplied fitting instructions and maintained to the manufacturers O&M Manual.
- Manufacturer:- Rutland UK, Unit 4, Holmewood Business Park, Chesterfield Road, Chesterfield, S42 5US, UK
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V :- System 1
- Harmonised Standard:- BS EN 1155:1997 + A1:2002
- Notified Body:- IFCC Conformity Assessment body No. 1720
- Certification No.:- 1720-CPR-0230
- Declared Performance:-

Conditioning: Standard Position (Fig 1) power size 2-4, with hold open, swing free, 150 degree maximum opening angle

Essential Characteristics	Performance	Harmonised Technical Specification
<i>Ability to release</i>		BS EN 1155:1997 + A1:2002
5.1.2 Release from any angle	Pass	
5.1.3 Not possible to inhibit the release	Pass	
5.1.4 Supply voltage	Pass	
5.1.5 External electrical contact	Pass	
<i>General</i>		
5.2.2 Electrical release	Yes	
5.2.3 Door closing device EN1154 requirements	Yes	
5.2.4. Durability	Pass	
5.2.5 Angle of hold open	Pass	
5.2.6 Manual release	Pass	
5.2.7 Continuous hold open	Pass	
5.2.8 Overload performance	Pass	

DECLARATION OF PERFORMANCE



5.2.9 Delayed release	Pass
5.2.10 Electrical Performance	Pass
5.1.11 Temperature Rise	Pass
5.1.12 Damage	No
5.1.13 Fire / smoke doors	Yes

<i>Durability of ability to release</i>		BS EN 1155:1997 + A1:2002
5.2.14.2 Corrosion resistance	High corrosion resistance - Grade 3 (96 hours)	
Dangerous Substances	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations	

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with the Construction Products (Amendment etc) (EU Exit) Regulations, 2019 No. 465 & 2020 No.1359.

Signed for and on behalf of the manufacturer by:

A handwritten signature in black ink, appearing to read 'Kevin O'Reilly', written over a horizontal line.

Kevin O'Reilly
Technical Director

Dated 18-04-2024

DECLARATION OF PERFORMANCE



DoP-Responder.24-66-UKCA



(Responder 24 Fig 66)

- Unique identification code of the product / type:-
- **Responder 24 2-3 variable power Surface Fixed Door Closer with Fig 66 Parallel Arm Fixing Position push side, with hold-open , swing free and latch adjustment, 150 degree maximum opening angle.**
- **Re-order Code allowing identification of the construction product as required under Article 11(4) of CPR:** 10912, 10913, 10910, 10909, 12193, 12409, 11944
- Intended use:- For use on fire/smoke compartmentation doors, when fitted in accordance with the supplied fitting instructions and maintained to the manufacturers O&M Manual.
- Manufacturer:- Rutland UK, Unit 4, Holmewood Business Park, Chesterfield Road, Chesterfield, S42 5US, UK
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V :- System 1
- Harmonised Standard:- BS 1154:1996 + A1:2002 and BS EN 1155:1997 + A1:2002
- Notified Body:- IFCC UK Conformity Assessment body No. 1720
- Certification No.:- 1720-CPR-0230
- Declared Performance:-

Conditioning: Parallel Arm Fixing (Fig 66) power size 2-3, with adjustable latch action, hold open and swing free, 150 degree maximum opening angle

Essential Characteristics	Performance	Harmonised Technical Specification
<i>Self-closing (5.2.1 General)</i>		BS EN 1154:1997 + A1:2002 & BS EN 1155:1997 + A1:2002
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Power size 2 - 3	
5.2.4 Opening moment	Power size 2 - 3	
5.2.5 Efficiency	Pass	
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 3 for closing doors from 105 degrees	
5.2.8 Overload performance	Pass	
5.2.9 Temperature dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check	Pass	
5.2.15 Adjustable closing force	Pass	

DECLARATION OF PERFORMANCE



<i>Durability of Self Closing</i>		BS EN 1154:1997 + A1:2002
5.2.2 Durability	500,000 test cycles – Grade 8	
5.2.17 Corrosion resistance	High corrosion resistance - Grade 3 (96 hours)	
Dangerous Substances	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	

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Kevin O'Reilly
Technical Director

Dated 18-04-2024

DECLARATION OF PERFORMANCE



DoP-Responder.24-1-UKCA



(Responder 24 Fig 1 & Fig 61)

- Unique identification code of the product / type:-
- **Responder 24 2-4 variable power Surface Fixed Electro-magnetic Door Closer with Fig 1 Standard Fixing Position, with hold open, swing free and adjustable latch action, 150 degree maximum opening angle. Fig 61 Transom mounting with min 20mm head projection** Re-order Code allowing identification of the construction product as required under Article 11(4) of CPR:
11912, 19913, 10910, 10909, 12193, 12409
- Intended use:- For use on fire/smoke compartmentation doors, when fitted in accordance with the supplied fitting instructions and maintained to the manufacturers O&M Manual.
- Manufacturer:- Rutland UK, Unit 4, Holmewood Business Park, Chesterfield Road, Chesterfield, S42 5US, UK
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V :- System 1
- Harmonised Standard:- BS EN 1154:1997 + A1:2002
- Notified Body:- IFCC UK Conformity Assessment body No. 1720
- Certification No.:- 1720-CPR-0230
- Declared Performance:-

Conditioning: Standard Position (Fig 1) power size 2-4, hold open, swing free and adjustable latch action, 150 degree maximum opening angle

Essential Characteristics	Performance	Harmonised Technical Specification
<i>Self-closing (5.2.1 General)</i>		BS EN 1154:1997 + A1:2002
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Power size 2 - 4	
5.2.4 Opening moment	Power size 2 - 4	
5.2.5 Efficiency	Pass	
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 3 for closing doors from 105 degrees	
5.2.8 Overload performance	Pass	
5.2.9 Temperature dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check	Pass	
5.2.15 Adjustable closing force	Pass	

DECLARATION OF PERFORMANCE



<i>Durability of Self Closing</i>		BS EN 1154:1997 + A1:2002
5.2.2 Durability	500,000 test cycles – Grade 8	
5.2.17 Corrosion resistance	High corrosion resistance - Grade 3 (96 hours)	
Dangerous Substances	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	

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This declaration of performance is issued, in accordance with the Construction Products (Amendment etc) (EU Exit) Regulations, 2019 No. 465 & 2020 No.1359.

Signed for and on behalf of the manufacturer by:

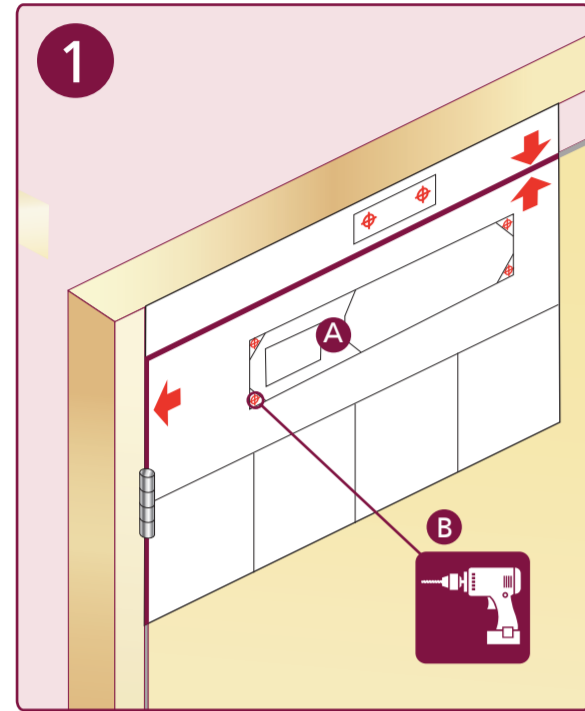
A handwritten signature in black ink, appearing to read 'Kevin O'Reilly', written in a cursive style.

Kevin O'Reilly
Technical Director

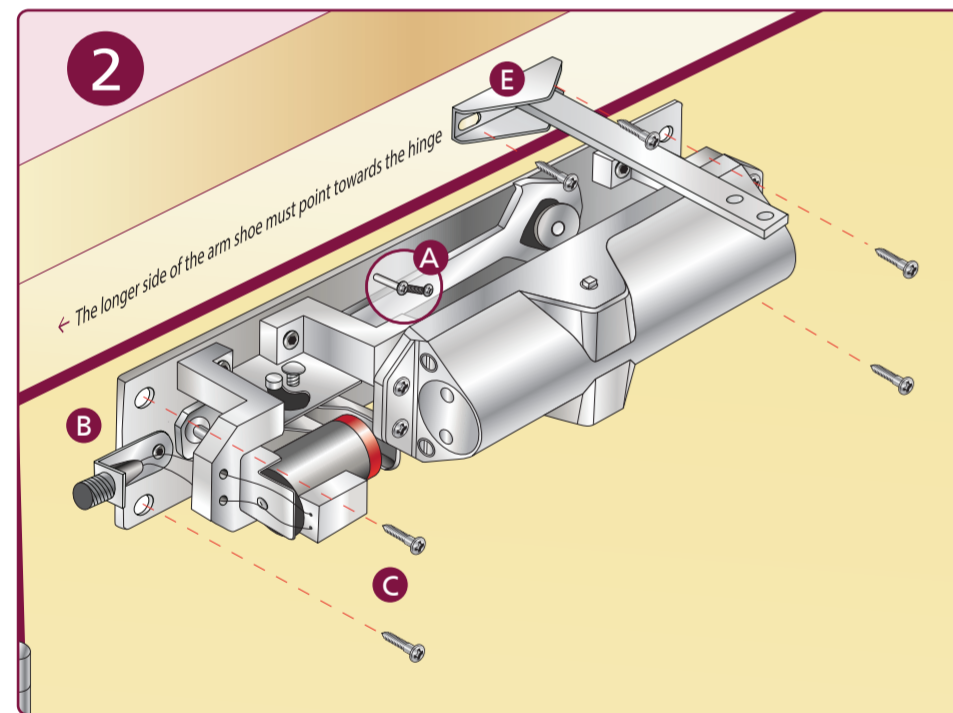
Dated 18-04-2024



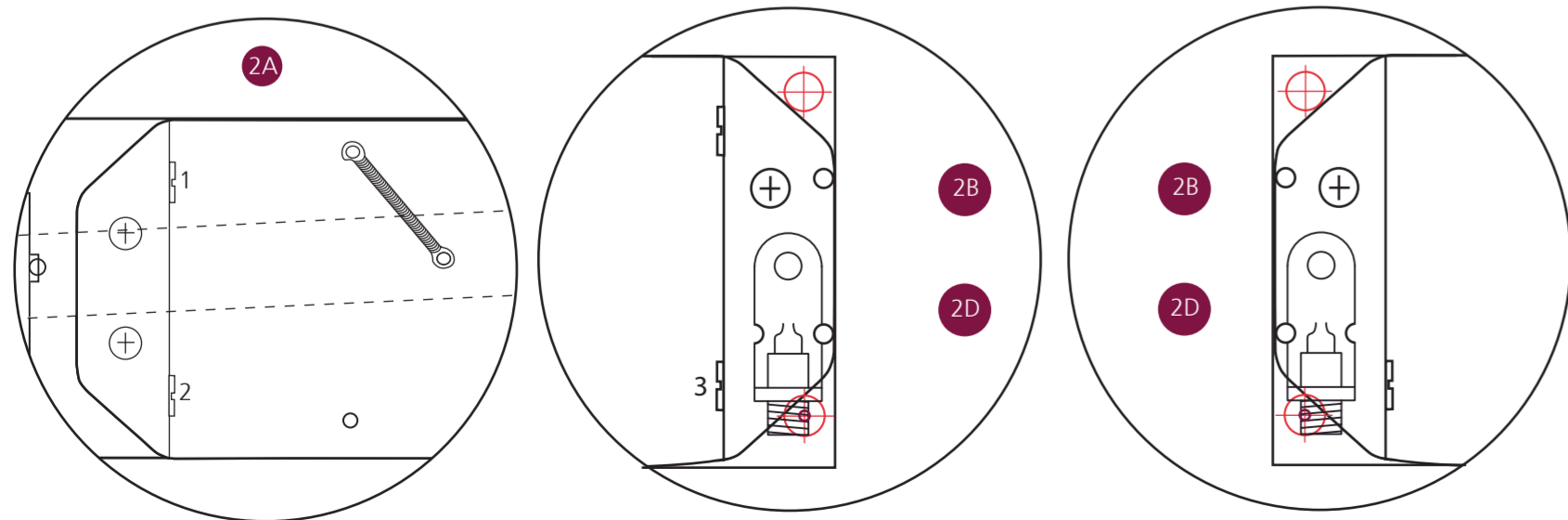
Scan this code with a QR Reader to view the installation video



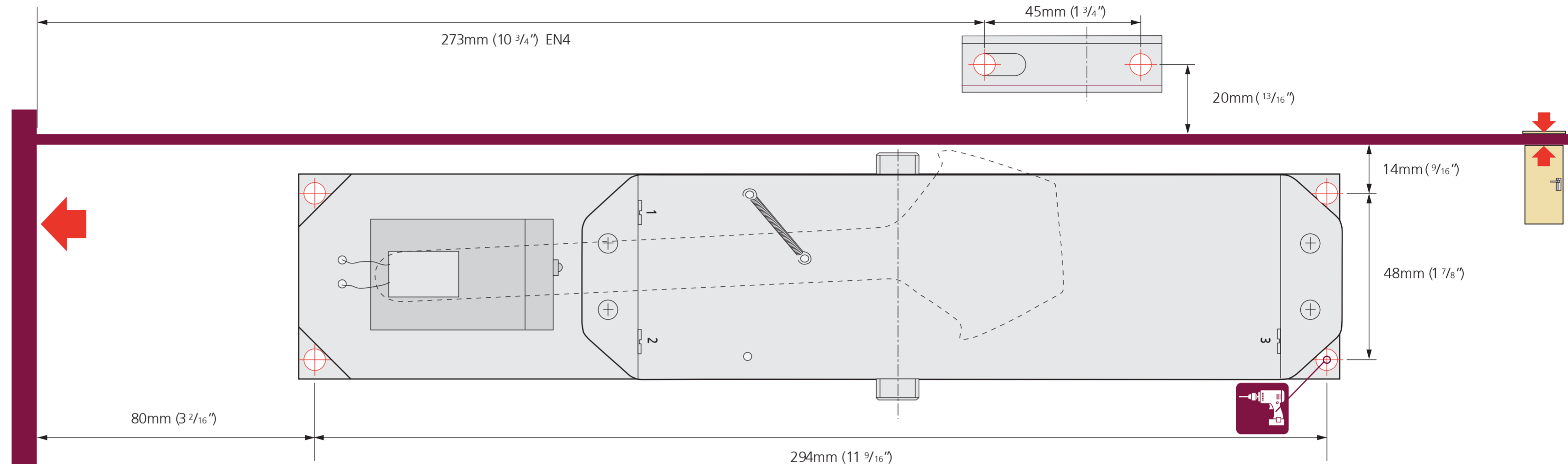
1. A. Choose the correct template.
B. Position on door and pilot drill fixing positions.



2. A. Position spring to lift the Catch Plate to the top location pin.
B. Remove locking screw on electrical connection bracket to each end of the unit. Keep for later.
C. Fix closer to door with the Electromagnet nearest to the hinge.
D. Refit the locking screw on both electrical connections.
E. Separate the arm assembly and connect to the frame with the long end of the arm shoe towards the hinge.
CHOOSE EITHER "HOLD OPEN" OR "SWING FREE".

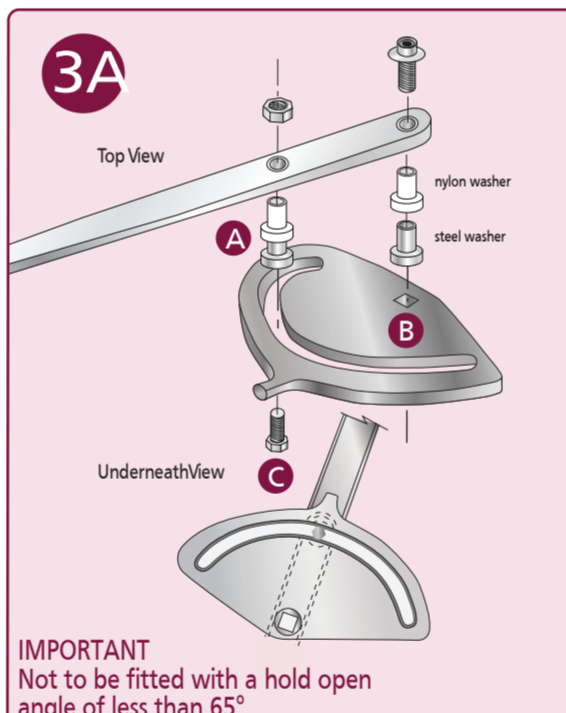


THE PINION BOLT MUST BE TIGHTENED TO 12NM

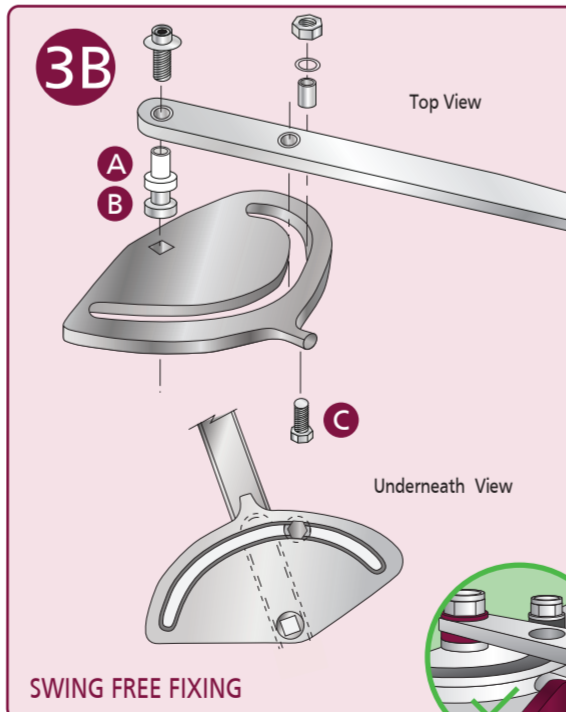


3. NB: Choose either
3A HOLD OPEN FIXING OR
3B SWING FREE FIXING

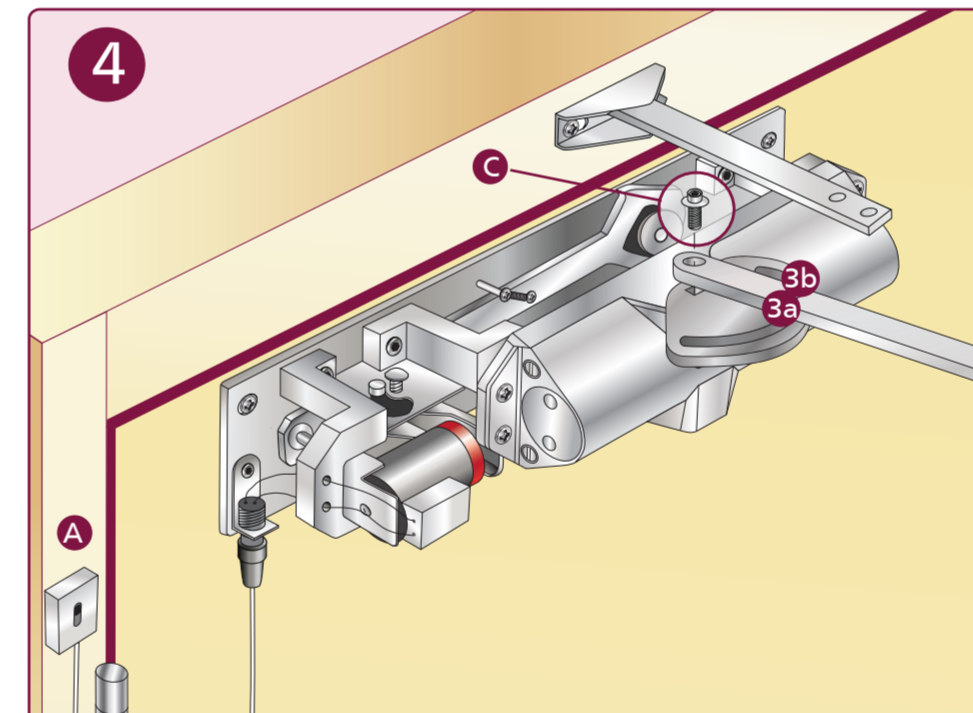
3A. HOLD OPEN
A. Insert the 2 metal bearing collars into the nylon bearing collars.
B. Push the bearing collar into both arm holes insisting that the secondary part of the arm is on the top.
C. Insert the bolt up through the Arc Wheel and through the second hole in the forearm and lock with the captive nut.



IMPORTANT
Not to be fitted with a hold open angle of less than 65°

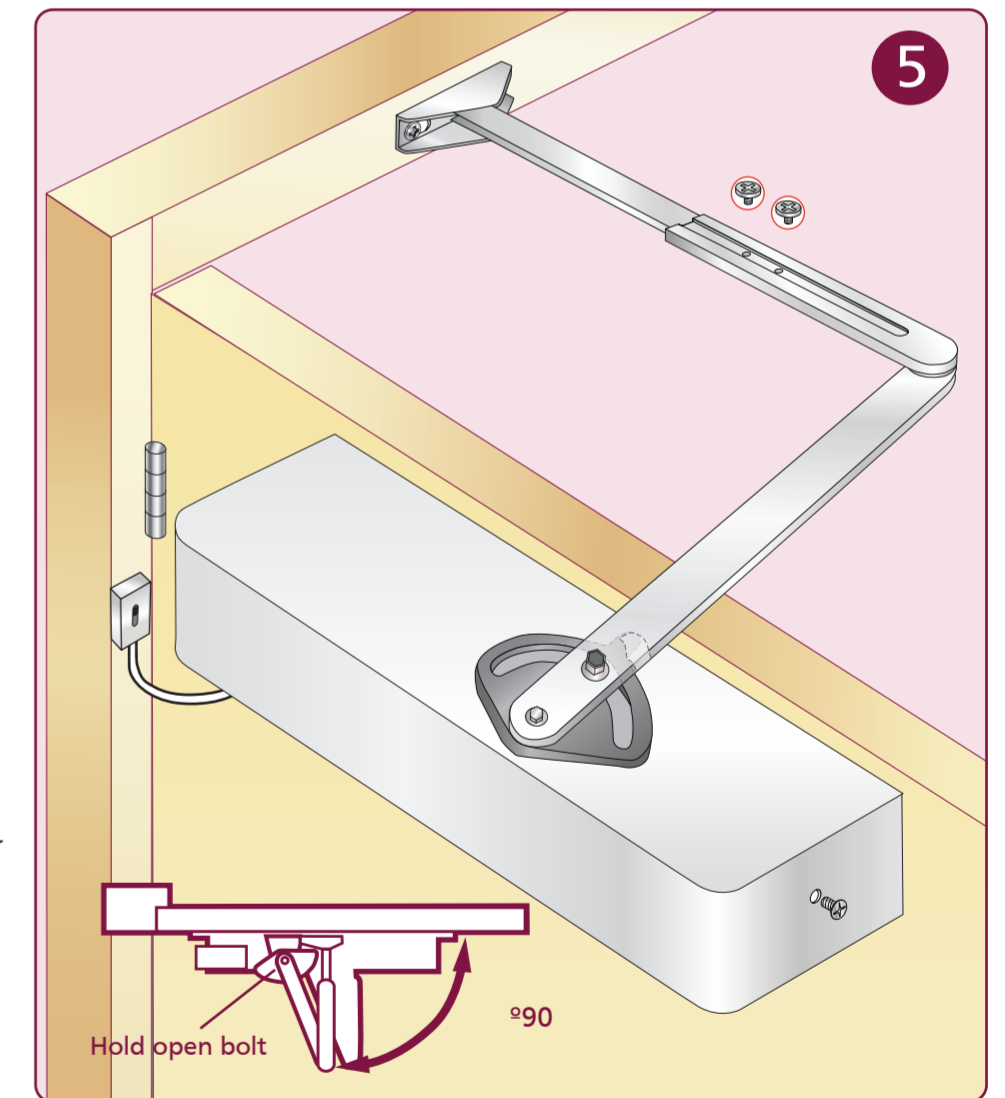


3B. SWING FREE
A. Insert a metal bearing collar into the nylon bearing collar.
B. Push the bearing collar into the first forearm hole insisting that the secondary part of the arm is on the top.
C. Insert machine bolt up through the bottom of the Arc Wheel through the spacing collar and lock with washer and bolt next to the arm (NOT THROUGH THE ARM).



4. A. Wire the electrical connections to the 24V supply on the door frame.
B. Plug in the lead and fasten. Switch on the electrical supply.
C. Position the Arm Assembly onto the Door Closer Body at approx. 90 degrees and fasten with the Long Shoulder Bolt.

MAINTENANCE
All parts that are visible when the cover is on should be checked and tightened every 3 months if required.
Any worn or damaged part must be notified to the supplier upon observation.
Keeping a written log of the inspections is advisable for your guarantee.



5. A. Open door and rotate the arm through 180° to engage the hold open Catch Plate
B. Fasten secondary arm together and secure with locking screw. Switch off electricity and allow door to close.
C. Adjust secondary arm so it holds @ 90° to the frame and tighten the two locking screws.

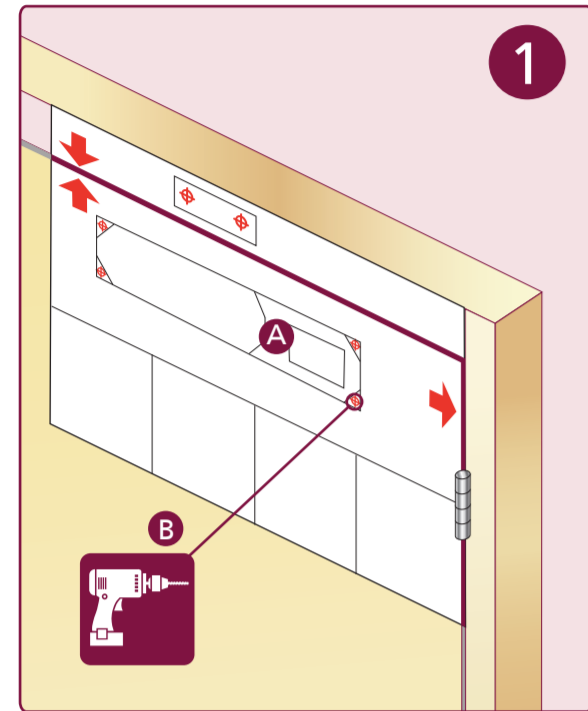
6. SET UP AND ADJUST
A. Adjust Closing Speed valve "1". This works from fully open to 15°. Turn clockwise to slow down the closing speed.
B. Adjust Latching Speed valve "2". This works from 15° to closed. Turn clockwise to slow down the latching speed.
C. Switch on electricity and re-open the door to hold on the Catch Plate.

7. FINISHING
A. To adjust the hold open or swing free angle on the Arc Wheel, first loosening the second nut and turn the door as required and retighten.

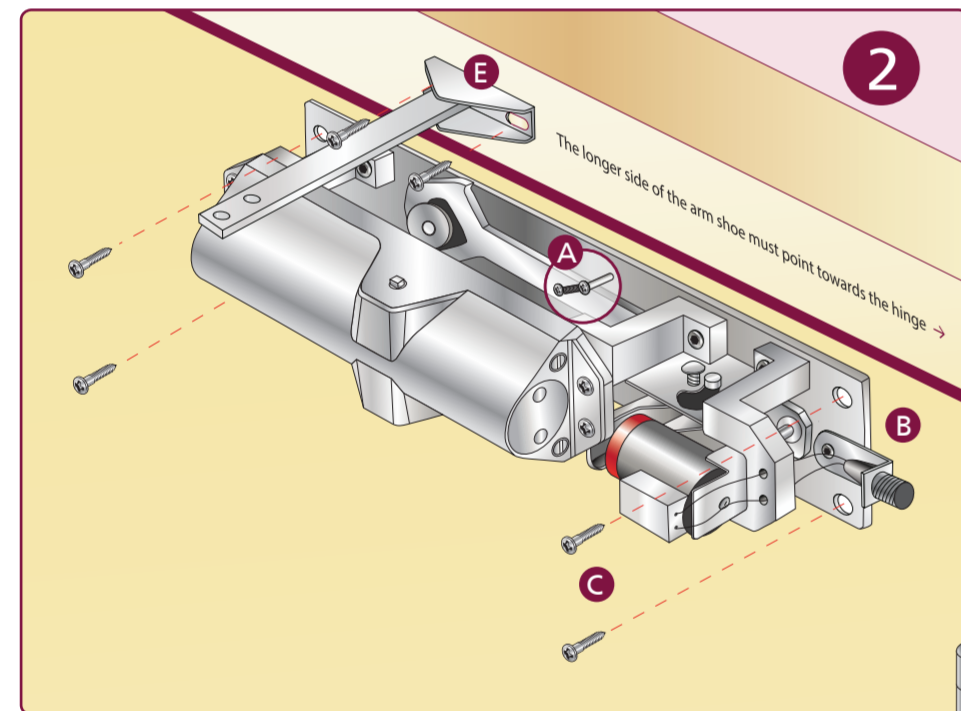
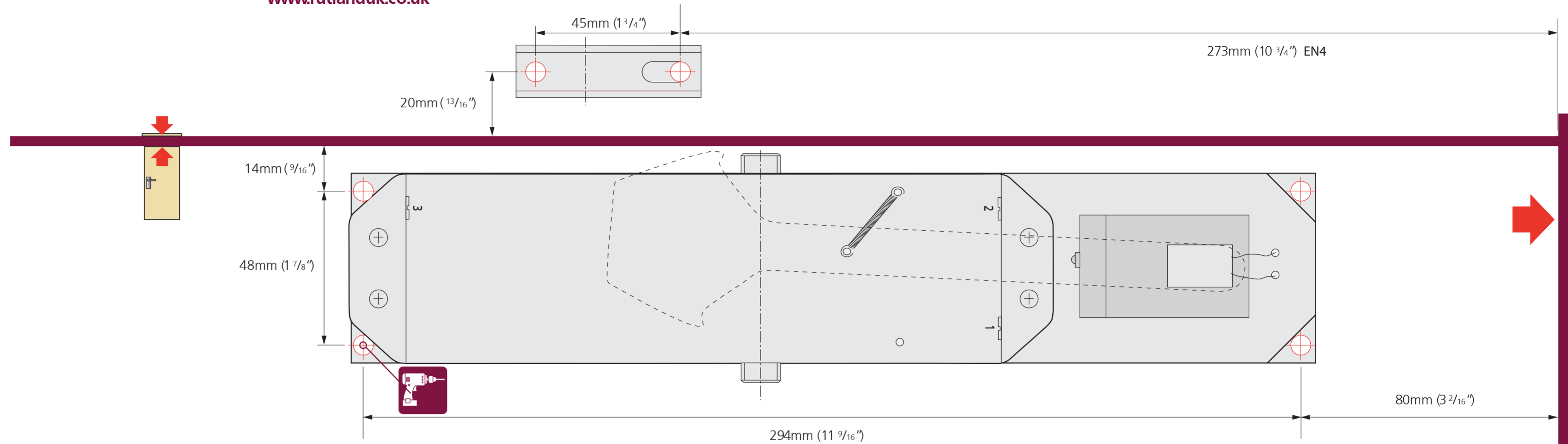


Scan this code with a QR Reader to view the installation video

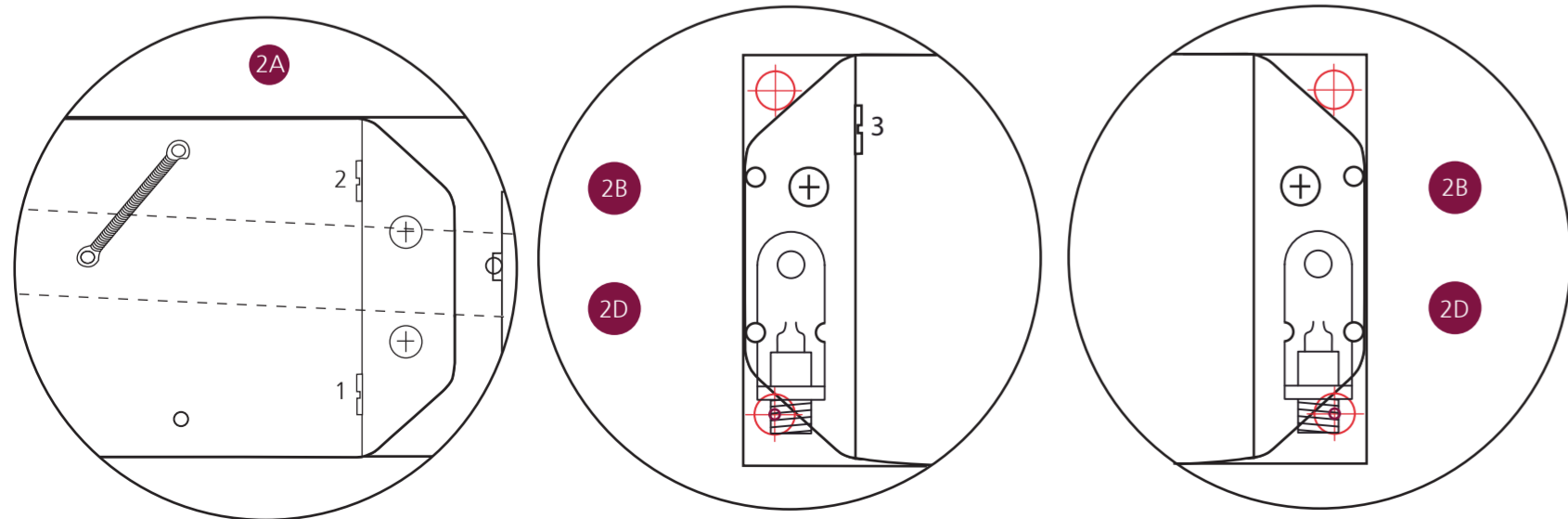
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1. A. Choose the correct template.
 B. Position on door and pilot drill fixing positions.



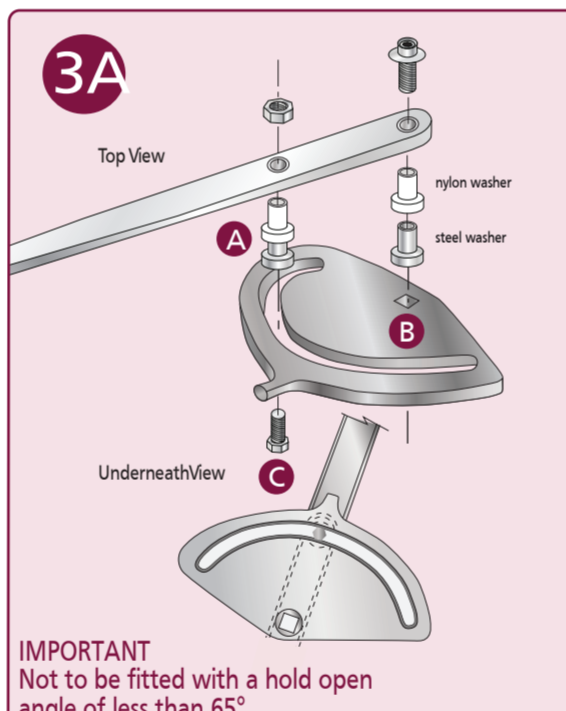
2. A. Position spring to lift the Catch Plate to the top location pin.
 B. Remove locking screw on electrical connection bracket to each end of the unit. Keep for later.
 C. Fix closer to door with the Electromagnet nearest to the hinge.
 D. Refit the locking screw on both electrical connections.
 E. Separate the arm assembly and connect to the frame with the long end of the arm shoe towards the hinge.
 CHOOSE EITHER "HOLD OPEN" OR "SWING FREE".



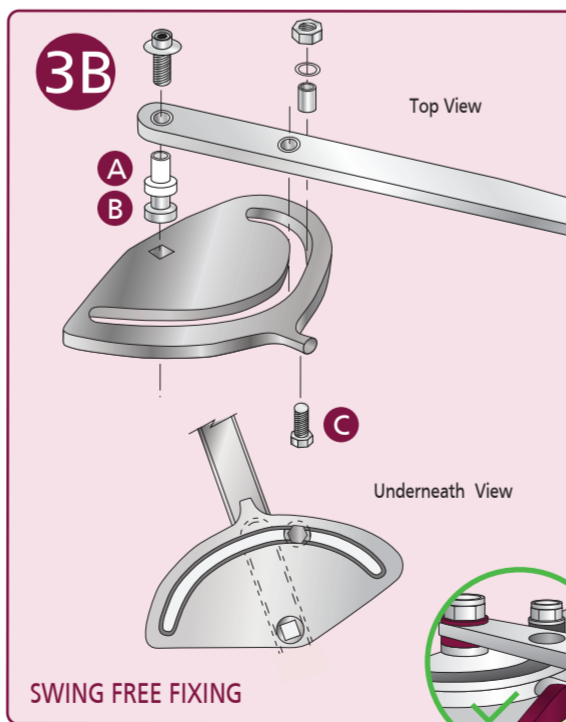
THE PINION BOLT MUST BE TIGHTENED TO 12NM

3. NB: Choose either
 3A HOLD OPEN FIXING OR
 3B SWING FREE FIXING

3A. HOLD OPEN
 A. Insert the 2 metal bearing collars into the nylon bearing collars.
 B. Push the bearing collar into both arm holes insisting that the secondary part of the arm is on the top.
 C. Insert the bolt up through the Arc Wheel and through the second hole in the forearm and lock with the captive nut.

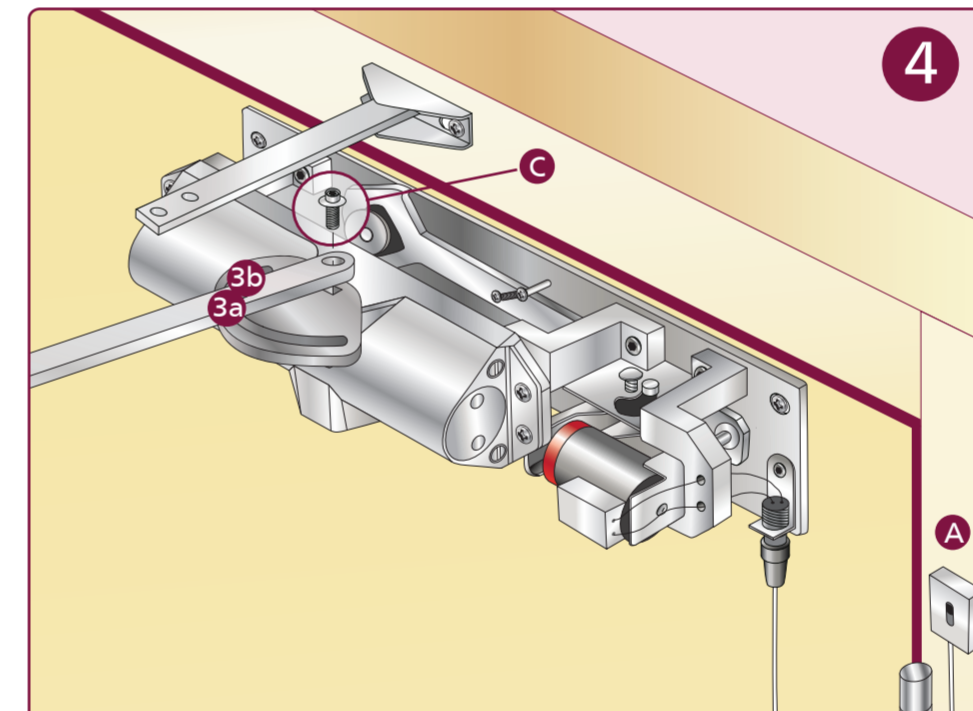


IMPORTANT
 Not to be fitted with a hold open angle of less than 65°



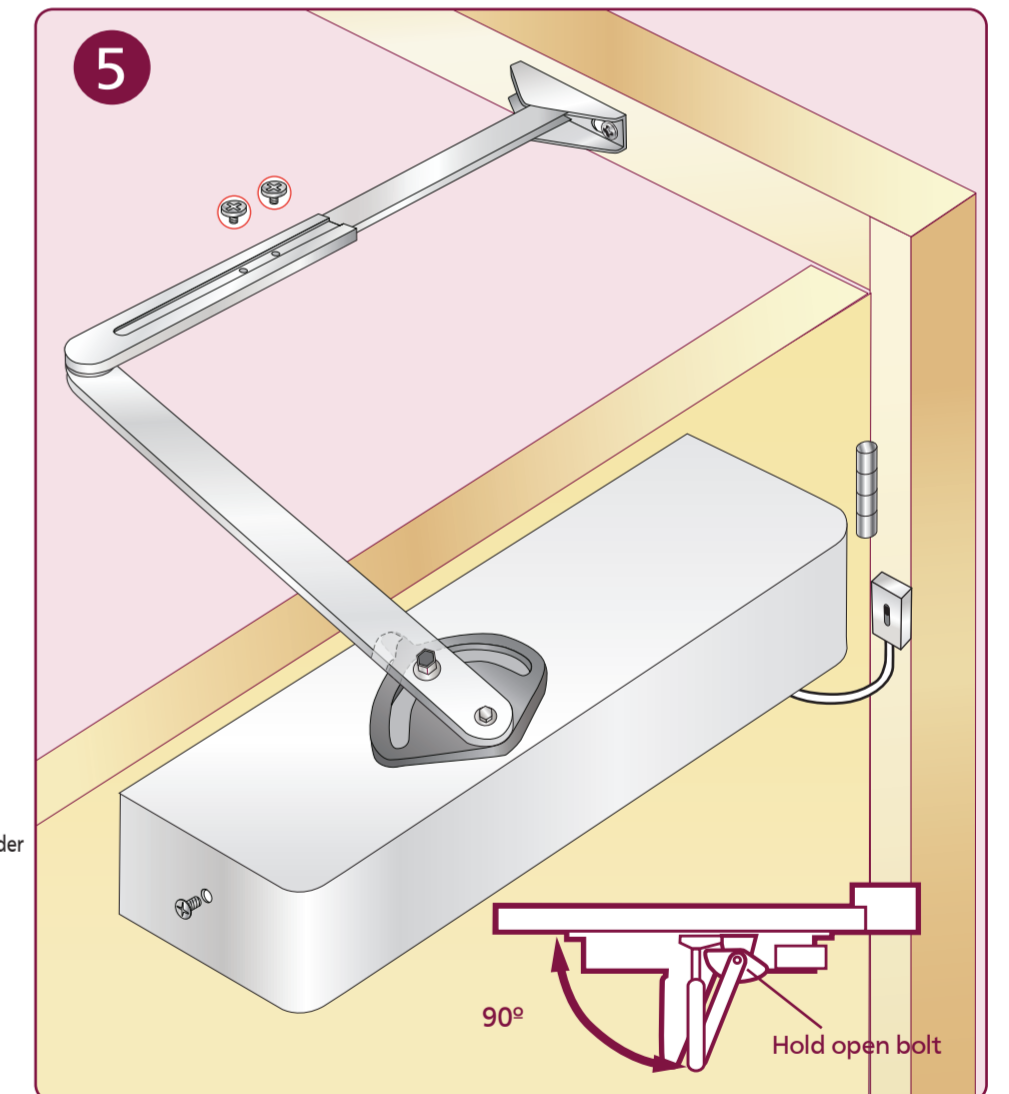
SWING FREE FIXING

3B. SWING FREE
 A. Insert a metal bearing collar into the nylon bearing collar.
 B. Push the bearing collar into the first forearm hole insisting that the secondary part of the arm is on the top.
 C. Insert machine bolt up through the bottom of the Arc Wheel through the spacing collar and lock with washer and bolt next to the arm (NOT THROUGH THE ARM).



4. A. Wire the electrical connections to the 24V supply on the door frame.
 B. Plug in the lead and fasten. Switch on the electrical supply.
 C. Position the Arm Assembly onto the Door Closer Body at approx. 90 degrees and fasten with the Long Shoulder bolt.

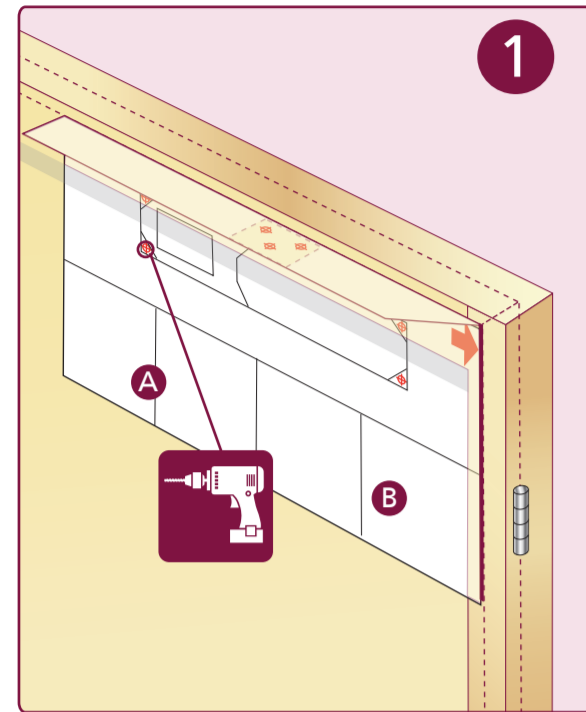
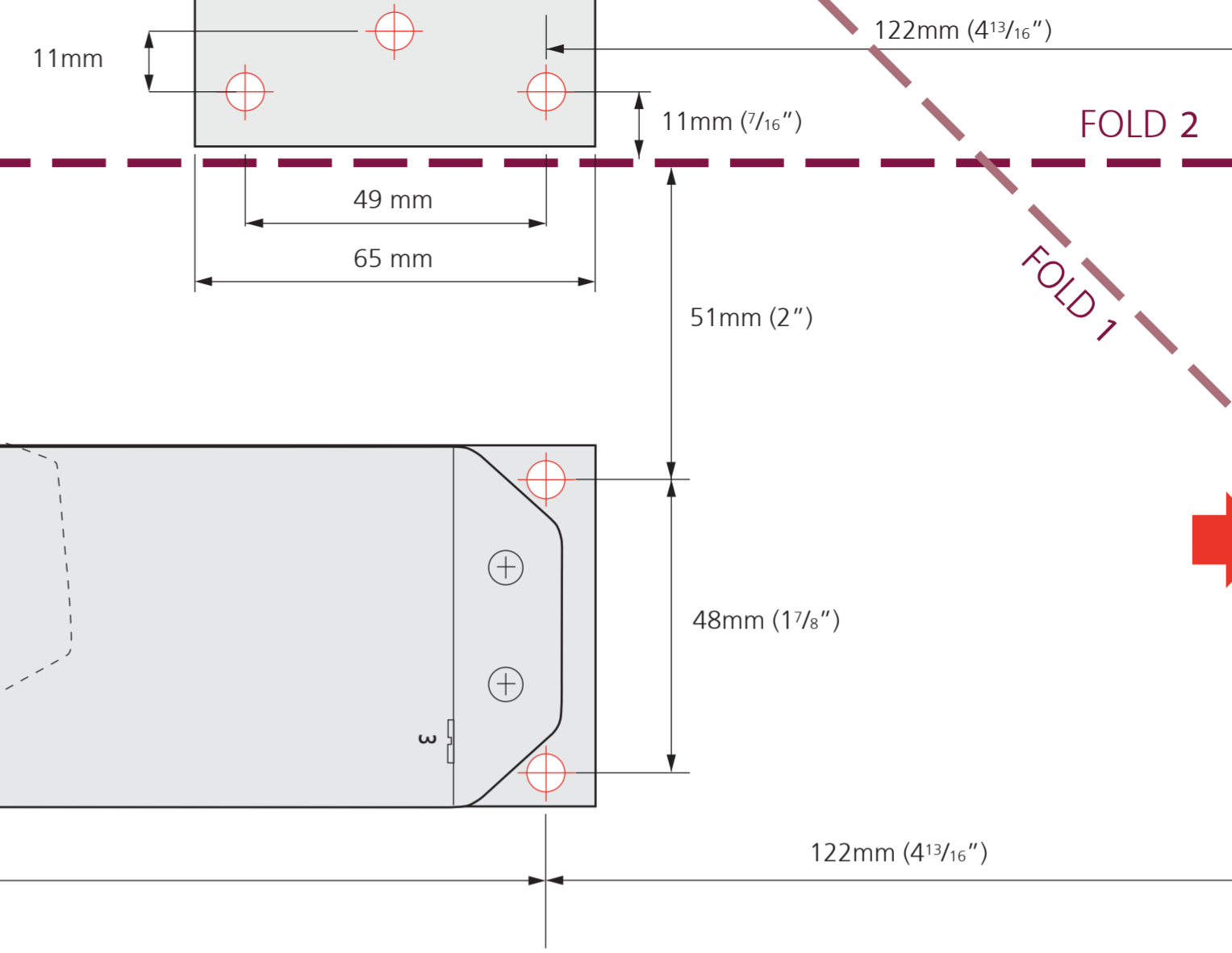
MAINTENANCE
 All parts that are visible when the cover is on should be checked and tightened every 3 months if required.
 Any worn or damaged part must be notified to the supplier upon observation.
 Keeping a written log of the inspections is advisable for your guarantee.



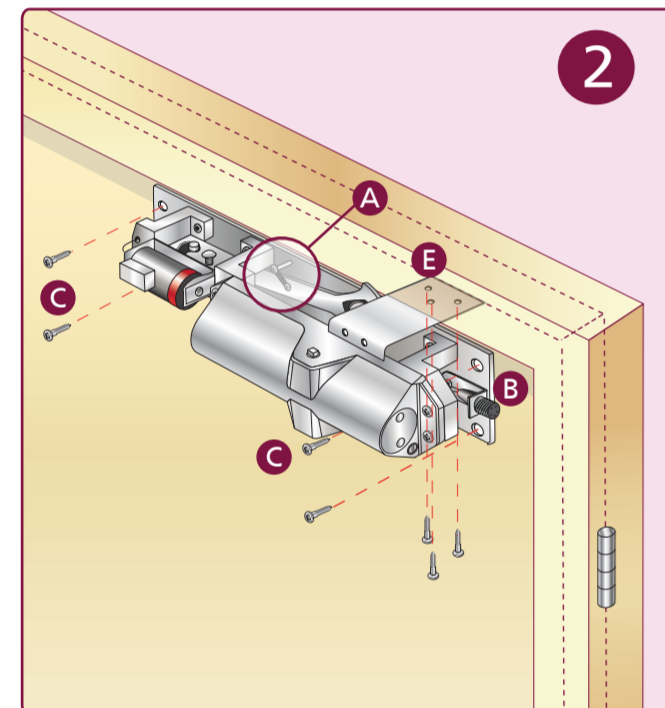
5. A. Open door and rotate the arm through 180° to engage the hold open Catch Plate
 B. Fasten secondary arm together and secure with locking screw. Switch off electricity and allow door to close.
 C. Adjust secondary arm so it holds @ 90° to the frame and tighten the two locking screws.

6. SET UP AND ADJUST
 A. Adjust Closing Speed valve "1". This works from fully open to 15°. Turn clockwise to slow down the closing speed.
 B. Adjust Latching Speed valve "2". This works from 15° to closed. Turn clockwise to slow down the latching speed.
 C. Switch on electricity and re-open the door to hold on the Catch Plate.

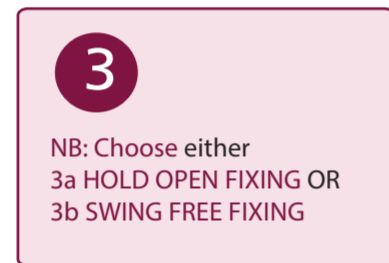
7. FINISHING
 A. To adjust the hold open or swing free angle on the Arc Wheel, first loosening the second nut and turn the door as required and retighten.



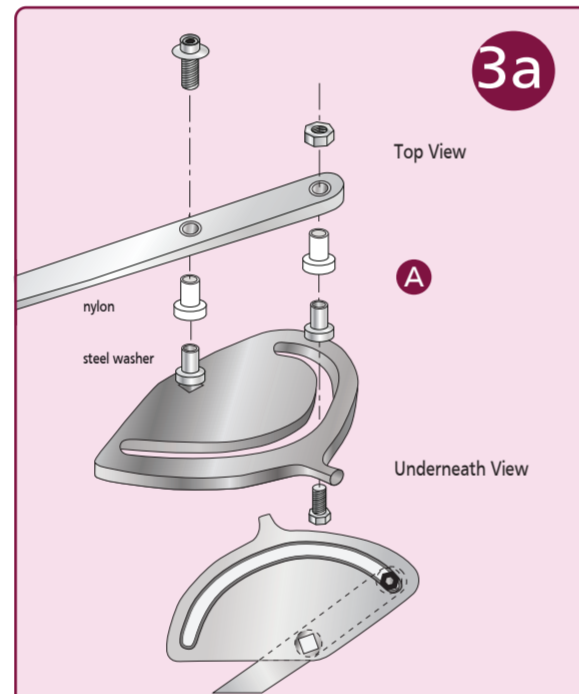
1
A. Decide on the correct template.
B. Fold on dotted lines, position on door and pilot drill fixing positions.



2
A. Position spring on the hold open catch plate to the top location pin.
B. Remove locking screw on electrical connection bracket to each end of the unit. Keep for later.
C. Fix closer to door with the electro magnet away from the hinge.
D. Refit the locking screw on both electrical connections.
E. Fix soffit bracket.

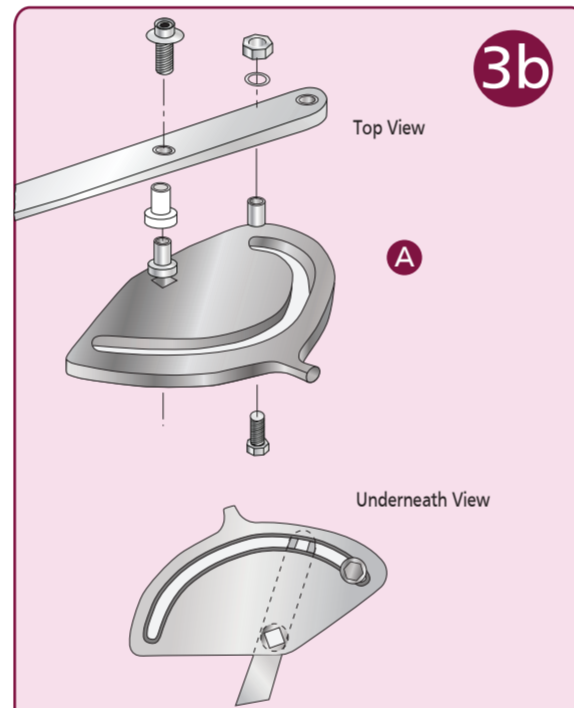


3
NB: Choose either
3a HOLD OPEN FIXING OR
3b SWING FREE FIXING

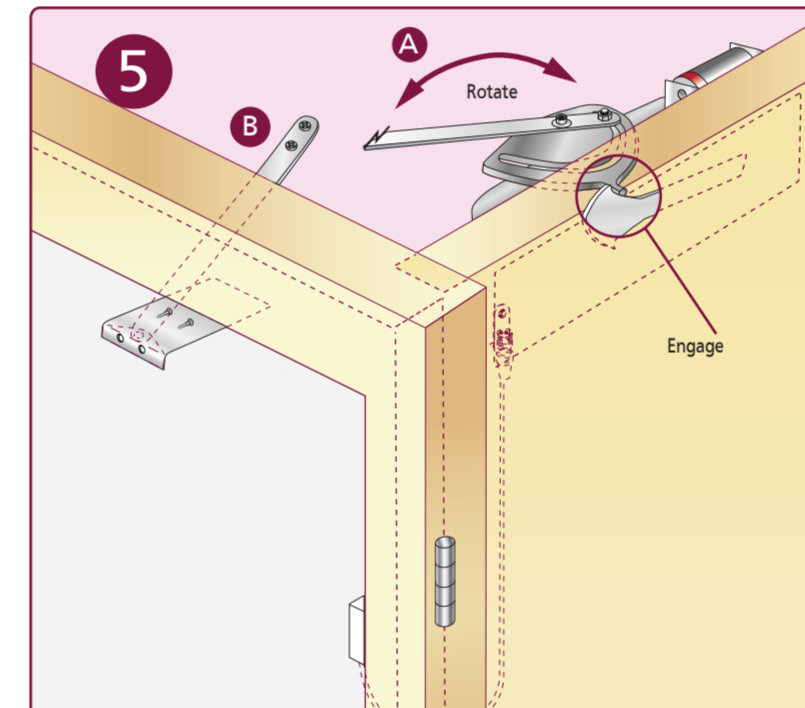


3a
Top View
Underneath View
IMPORTANT
Not to be fitted with a hold open angle of less than 65°

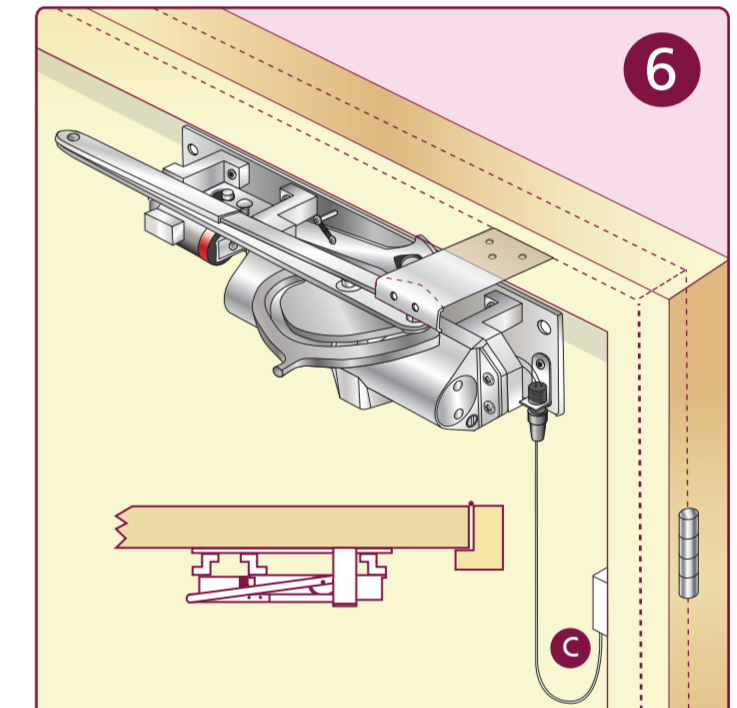
A. Fasten with bolt up through Arc Wheel and 1st hole in arm, fix with lock tight nut and shouldered washer between.



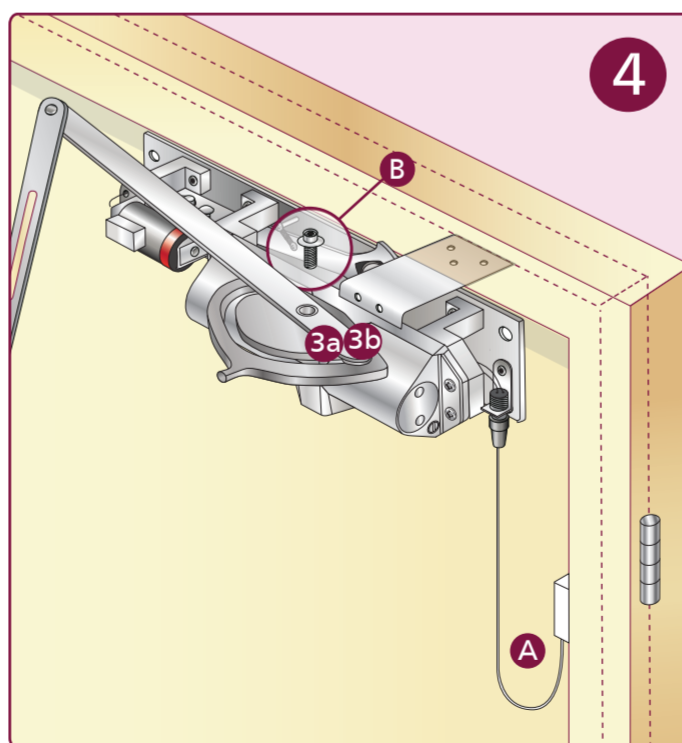
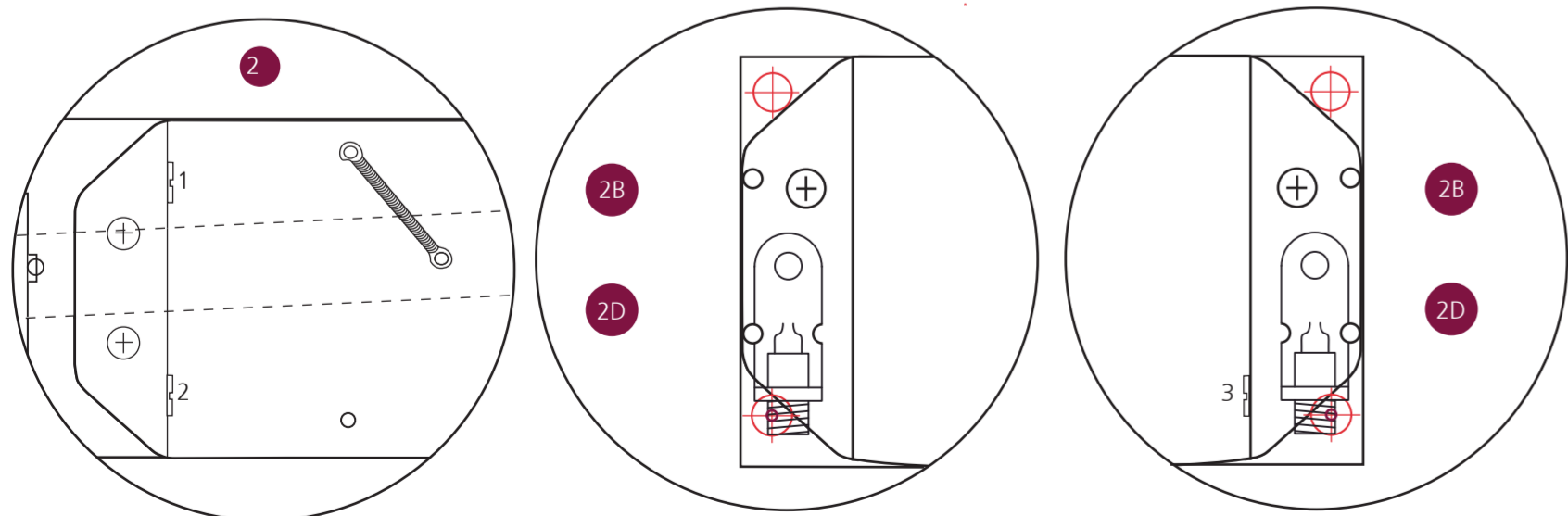
3b
Top View
Underneath View
A. Fasten with bolt up through the Arc Wheel and fix through the collar spacer, lock tight nut and washer between. Do not fix through arm at this point.



5
A. Open door and rotate pinion through 90° with arm and engage Arc wheel with Hold Open catch plate.
B. Separate the arm assembly and connect to the soffit bracket. Longest side of the shoe towards the hinge.
C. Fasten secondary arm together, switch off electricity so the closer shuts the door.
D. Adjust secondary arm so it holds parallel to the frame and tighten the two lock nuts.



6
SET UP AND ADJUST
A. Adjust Closing Speed valve "1". This works from fully open to 15°. Turn clockwise to slow down the closing speed.
B. Adjust Latching Speed valve "2". This works from 15° to closed. Turn clockwise to slow down the latching speed.
C. Switch on electricity and re open the door to hold on the Catch Plate. Check and adjust door closer speed and latch option.
D. Fit door closer cover by first snapping out the desired parts.



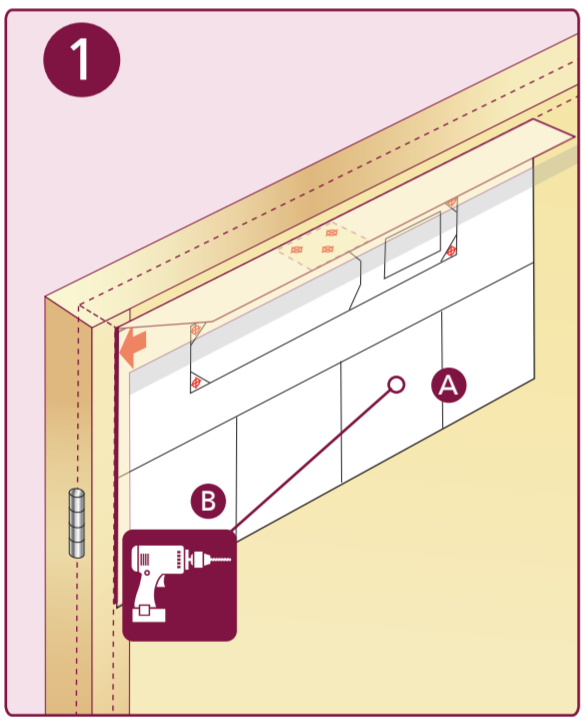
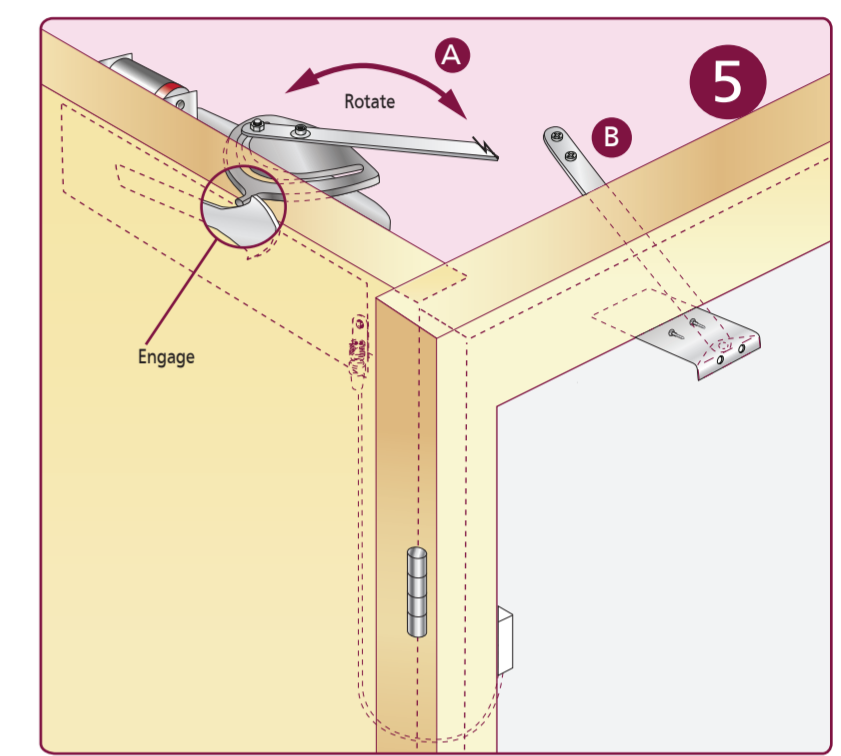
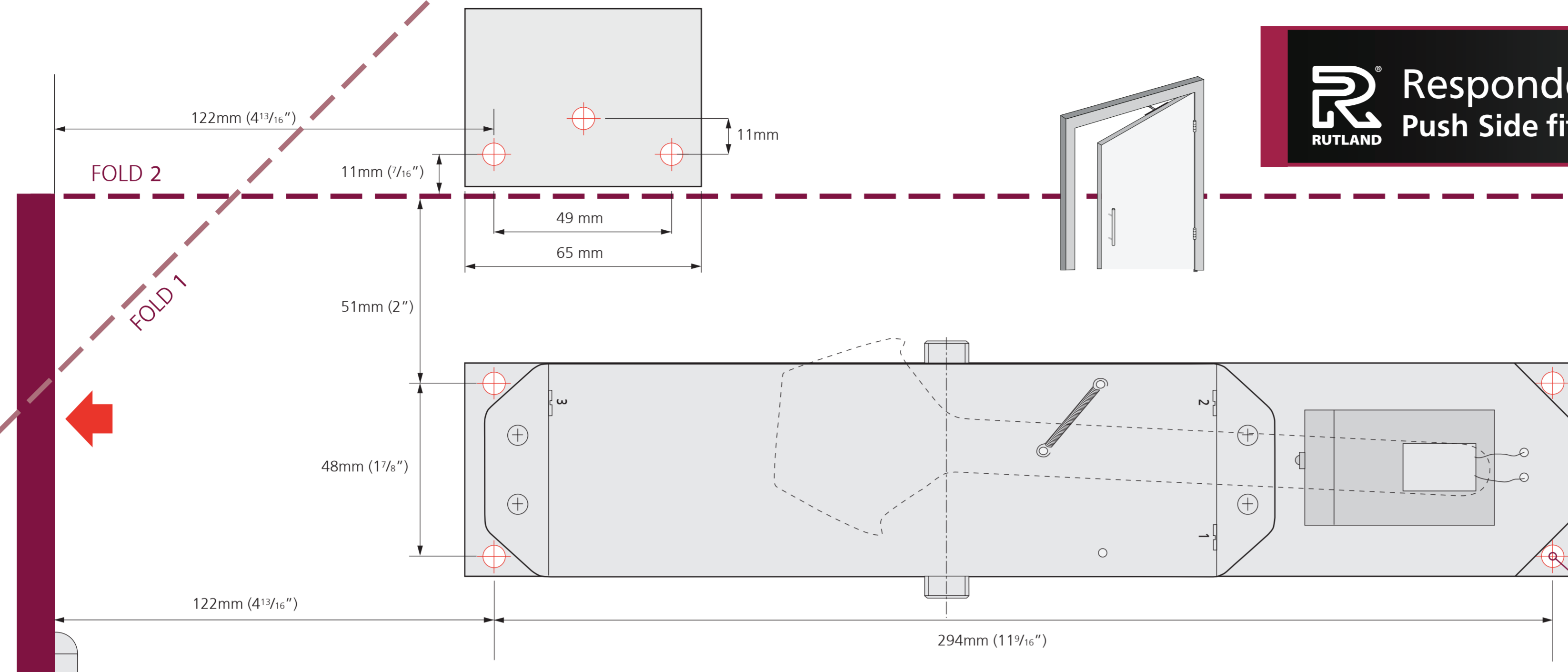
4
A. Connect the wiring as required to the junction box and plug the sockets together. Switch the electricity on.
B. Place Arc wheel on the pinion of the closer 90° to the front door facing out. Fit arm to pinion through Arc Wheel, with the long shoulder bolt, through the 2nd hole in arm with stainless shouldered washer and Nylon washer between.

MAINTENANCE
All parts that are visible when the cover is on should be checked and tightened every 3 months if required. Any worn or damaged part must be notified to the supplier upon observation.

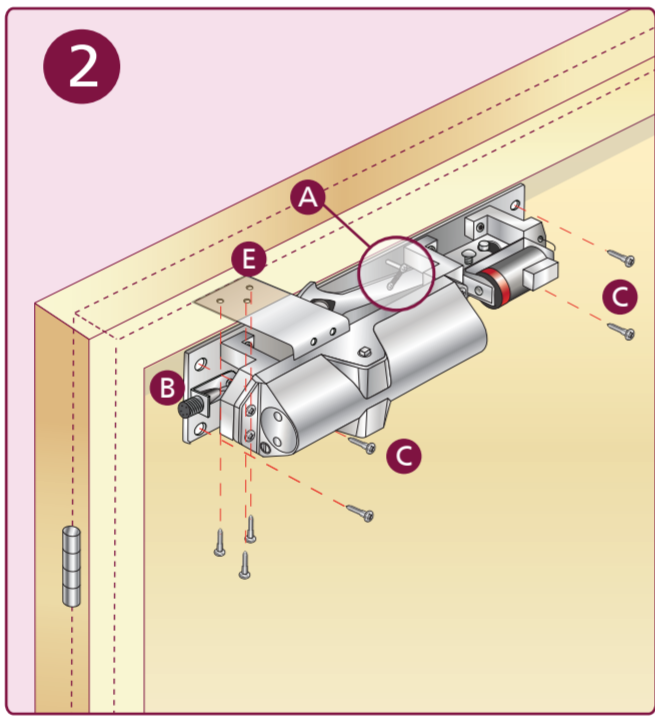
7. FINISHING
To adjust the hold open or swing free angle on the Arc Wheel, first loosening the second nut and turn the door as required and retighten.

Responder 24 Push Side fitting

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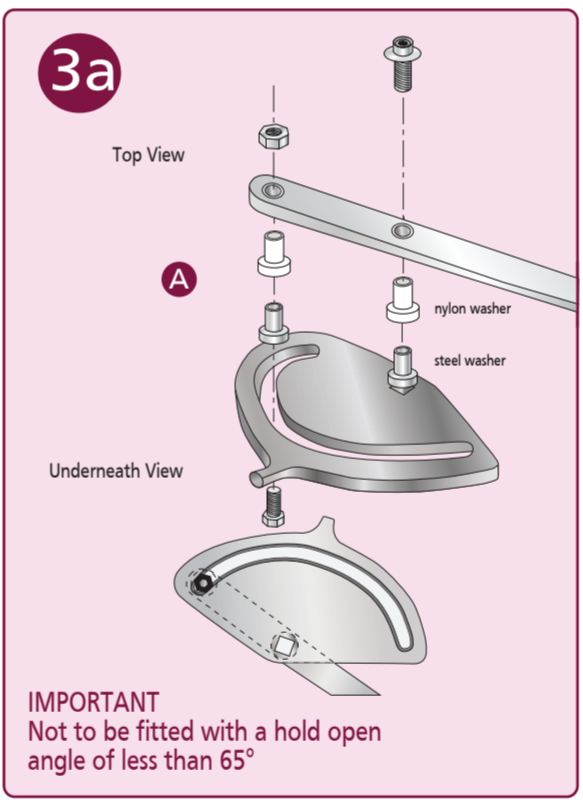


1
A. Decide on the correct template.
B. Fold on dotted lines, position on door and pilot drill fixing positions.

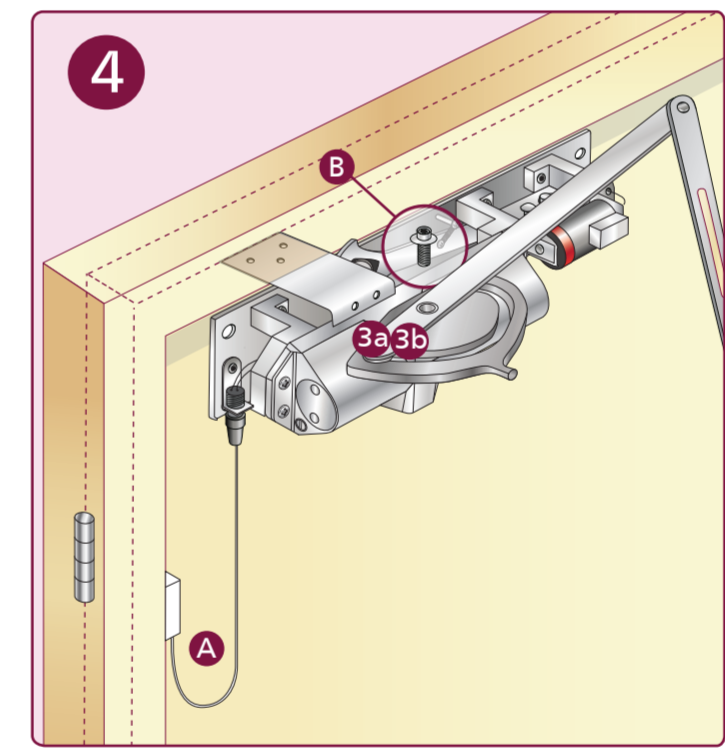


2
A. Position spring on the hold open catch plate to the top location pin.
B. Remove locking screw on electrical connection bracket to each end of the unit. Keep for later.
C. Fix closer to door with the electro magnet away from the hinge.
D. Refit the locking screw on both electrical connections.
E. Fix soffit bracket.

3
NB: Choose either
3a HOLD OPEN FIXING OR
3b SWING FREE FIXING

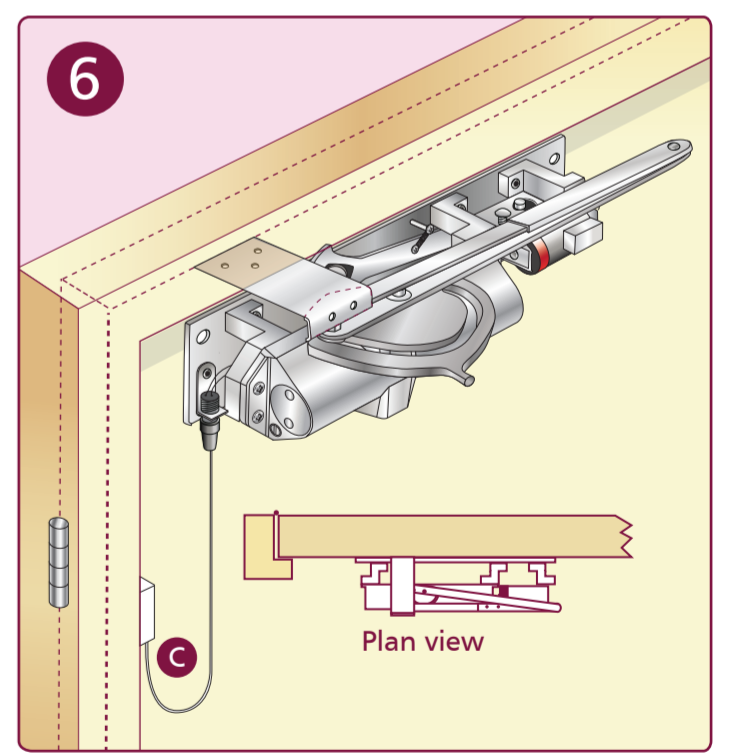


3a
Top View
Underneath View
IMPORTANT
Not to be fitted with a hold open angle of less than 65°



4
A. Connect the wiring as required to the junction box and plug the sockets together. Switch the electricity on.
B. Place Arc wheel on the pinion of the closer 90° to the front door facing out. Fit arm to pinion through Arc Wheel, with the long shoulder bolt, through the 2nd hole in arm with stainless shouldered washer and Nylon washer between.

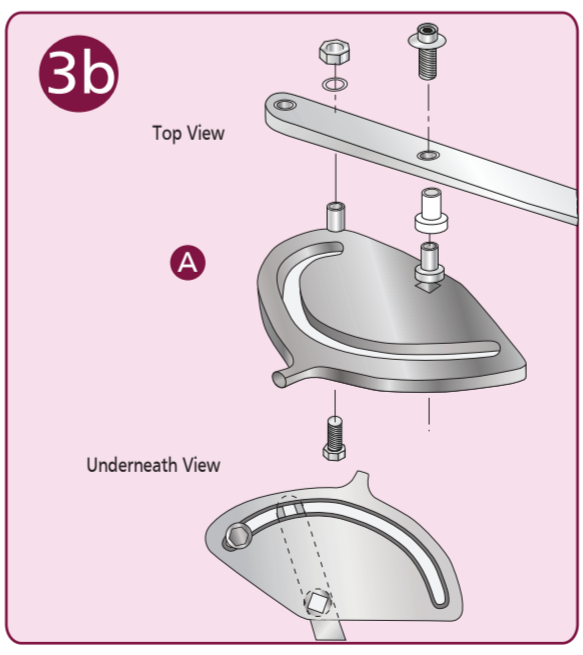
- A. Open door and rotate pinion through 90° with arm and engage Arc wheel with Hold Open catch plate.
- B. Separate the arm assembly and connect to the soffit bracket. Longest side of the show towards the hinge.
- C. Fasten secondary arm together, switch off electricity so the closer shuts the door.
- D. Adjust secondary arm so it holds parallel to the frame and tighten the two lock nuts.



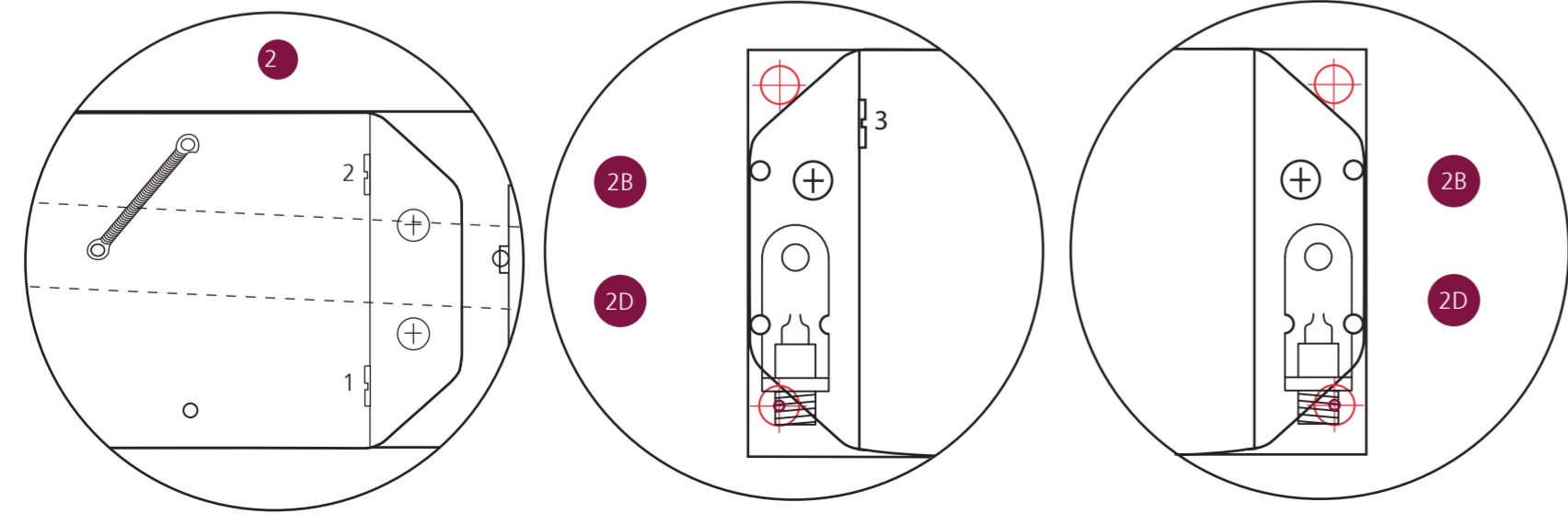
- 6**
- SET UP AND ADJUST**
- A. Adjust Closing Speed valve "1". This works from fully open to 15°. Turn clockwise to slow down the closing speed.
 - B. Adjust Latching Speed valve "2". This works from 15° to closed. Turn clockwise to slow down the latching speed.
 - C. Switch on electricity and re open the door to hold on the Catch Plate. Check and adjust door closer speed and latch option.
 - D. Fit door closer cover by first snapping out the desired parts.

7. FINISHING
To adjust the hold open or swing free angle on the Arc Wheel, first loosening the second nut and turn the door as required and retighten.

MAINTENANCE
All parts that are visible when the cover is on should be checked and tightened every 3 months if required. Any worn or damaged part must be notified to the supplier upon observation.

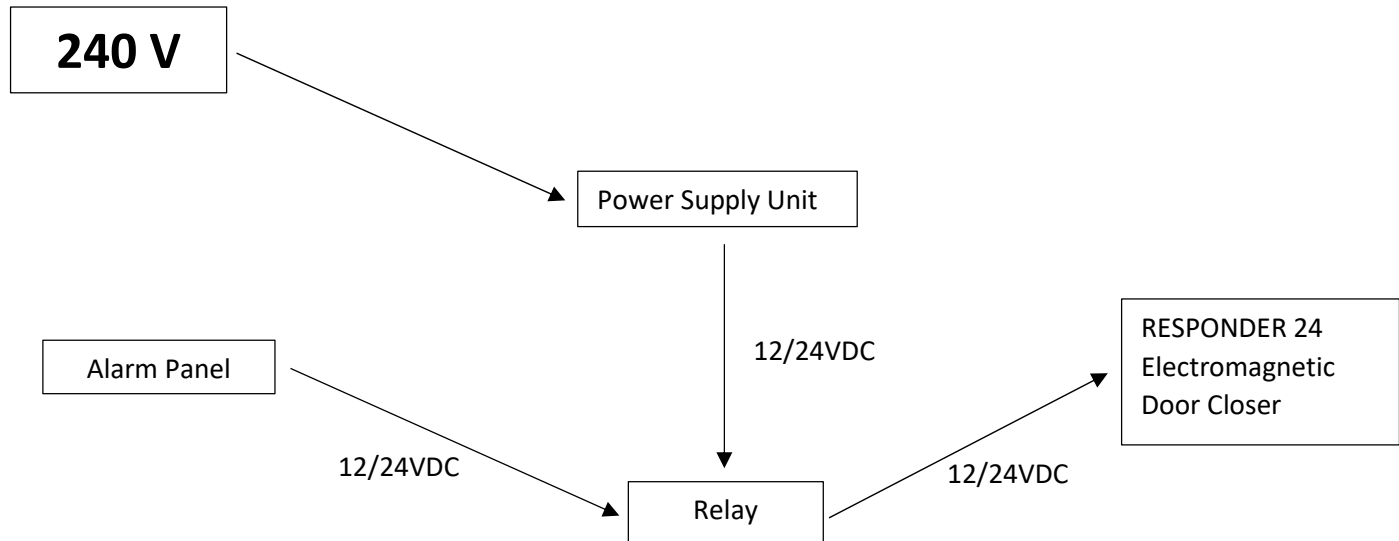


3b
Top View
Underneath View
A. Fasten with bolt up through the Arc Wheel and fix through the collar spacer, lock tight nut and washer between. Do not fix through arm at this point.



THE PINION BOLT MUST BE TIGHTENED TO 12NM

RESPONDER 24 Wiring Diagram



Maintenance

NOTE: Maintenance on Electromagnetic closers is very important as there is a heavy stress on all the parts including the electrical components.



Step 1

Check that screws are tight, and tighten if needed, at least every 6 months.

Step 2

Tighten fixings on mounting plate, arms and pinion need tightening, at least every 6 months.

Step 3

Tighten pinion screw to 12nm, at least every 6 months.

Step 4

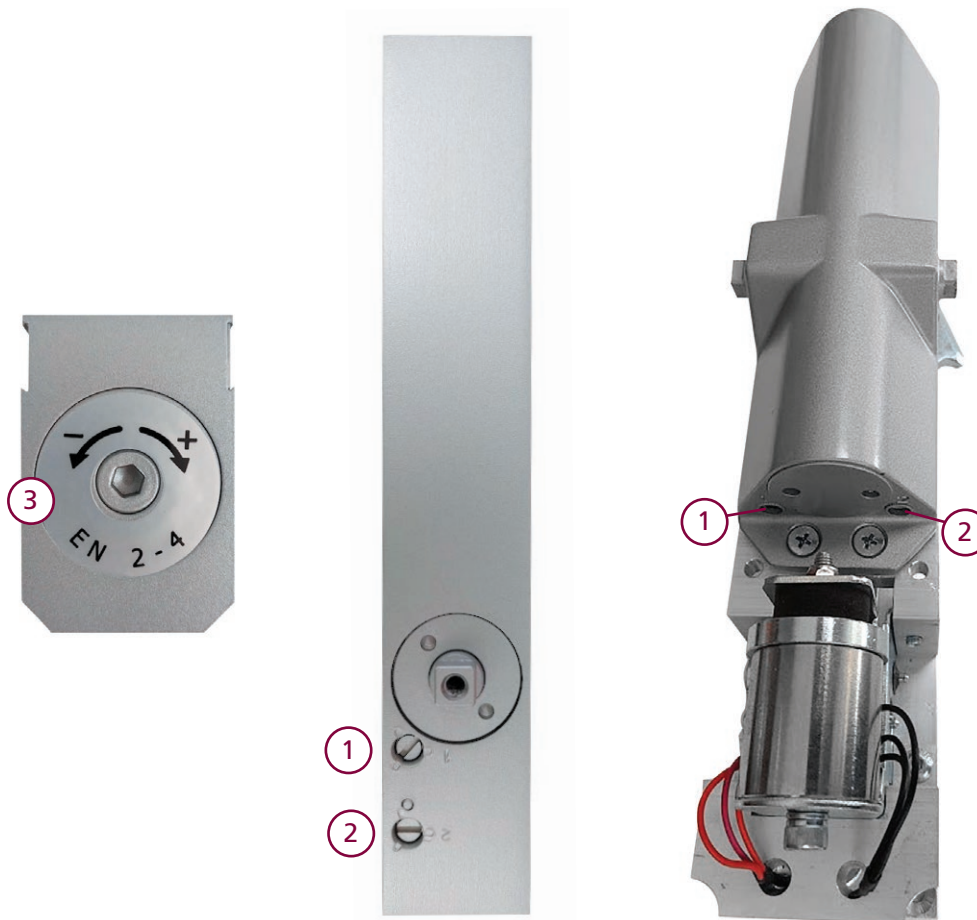
Grease roller on mechanism, at least every 6 months.

Step 5

Test the device weekly, to ensure correct function of the product.

Note: Rutland will take Electromagnetic Door Closers back at end of life.

Valve Adjustments



Before adjusting any valves ensure the door and frame are fixed firmly and the door will close easily into the frame and latch.

- To increase the speed of a door turn the valve 1 (No.1) Anti-clockwise. If door closing too fast turn the valve 1 Clockwise to reduce the speed to a satisfactory movement.
- When the door is latching too fast adjust the valve 2 (No. 2) to the desired satisfactory action. Turn Clockwise to reduce the speed.
- If the latch is getting stuck, turn Valve 2 anti-clockwise to increase the speed but not too fast so that it slams.
- If more power is needed to overcome the latch or Intumescent seal you can increase the power by turning the power adjustment function (No. 3) with an allen key.
- If the door is too easy to open or affected by wind or air pressure, turn Clockwise to increase the power.
- If the door is stiff to open you can turn Anti-clockwise to decrease the power.



ELECTROMAGNETIC HOLD OPEN DOOR CLOSERS

Hold-Open and Swing Free

Rutland's Responder 24 Electromagnetic door closer has two extra features, hold-open and swing free.

Hold-Open

- Hold-Open is a function which will hold the door in the open position, between 90° and 120°, and close the door securely in the activation of the fire alarm.

Swing-Free

- Swing-free mode allows a door to be freely left open at any convenient angle, without the door closing itself. No major force is required to open or close the door, assisting the less able in using the door. Like the hold-open mode, the door closes in the event of fire alarm activation.

NOTE: Maintenance on all door closers is very important, in order for fire doors to function correctly. We strongly advise keeping maintenance logs of all you closers, like the one below:

Door Closer Maintenance Log						
Name of Equipment	Door Closer		Supplier		ABC ironmongery	
Product Code/s	TS.9205, TS.11205DABC, TS.5204		Date of purchase:		20/05/2016	
Batch & Serial number/s:	028001 007089, 028001 007090, 028001 007091		Person responsible for equipment:		Kim Lyons	
Manufacturer:	Rutland UK		Date put into service:		23/10/2016	

Date:	Type of Maintenance	Closer type	Location in building	Maintenance performed by:	Next maintenance planned on (date):	Remarks:
20/11/2016	Full	TS.9205	Floor 4, Stairwell	KL	31/05/2017	
	Full	TS.9205	Floor 4, Corridor B	KL	31/05/2017	
	Full	TS.11205DABC	Floor 4, Music room	KL	31/05/2017	
	Full	TS.5204	Floor 4, Meeting room	KL	31/05/2017	

Useful Videos

Scan the qr codes to view the latest helpful videos

Door closer valves



6 ways to trouble shoot a Door Closer



Enhancing life safety at every fire door

Through our expert advice and support, we provide the peace of mind that full compliance is achieved and that life safety is assured.



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Chesterfield Road, Holmewood
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