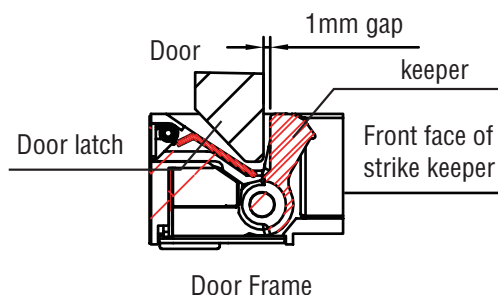


## INTRODUCTION:

The ES90M preload strike is manufactured from stainless steel and accepts voltages from 10 to 30VDC. It has a 10mm lip, is pre-drilled for extension lips and has a unique and simple fail secure (power to open) / fail safe (power to lock) changeover function without the need to dismantle the strike.

**ES90M** – Fully monitored Australian profile preload Electric Door Strike with 3 forms of monitoring.

- **Lock Status Sensor (LSS)** – State of internal locking mechanism
- **Door Latch Sensor (DSS)** – Door latch engaged within strike keeper
- **Anti-tamper Sensor (ATS)** – Door strike removed

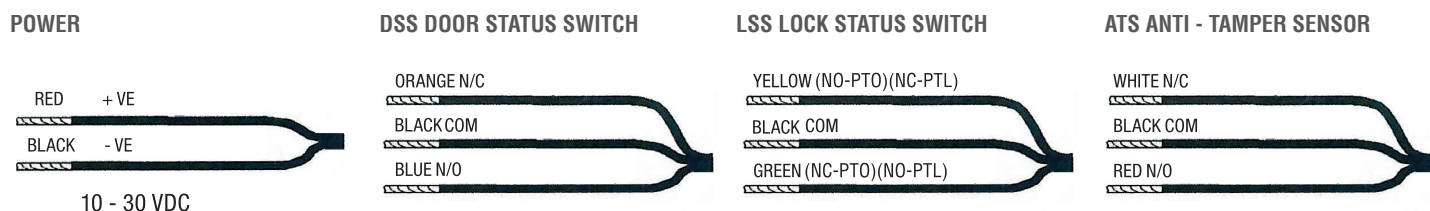


As drawn in the diagram above there should be a 1mm gap between the door latch and the front-face of the strike keeper

## TECHNICAL DATA:

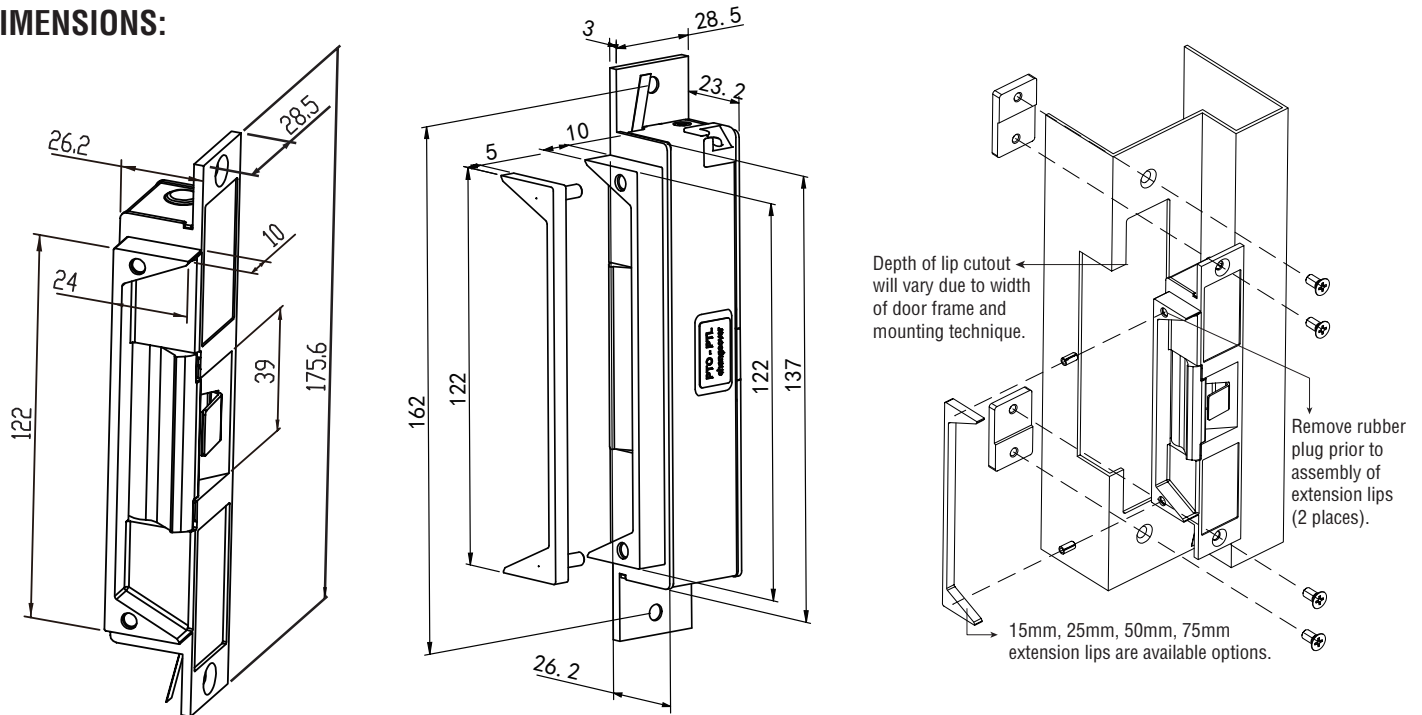
|                                          |                                                                                                                                                                               |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ES90M</b>                             | AUSTRALIAN PROFILE MONITORED PRELOAD DOOR STRIKE. MORTICE MOUNT POWER TO LOCK/POWER TO OPEN FIELD INTERCHANGEABLE                                                             |
| <b>HOLDING STRENGTH &amp; DURABILITY</b> | UP TO 1300KG, TESTED TO 2 MILLION CYCLES                                                                                                                                      |
| <b>VOLTAGE/CURRENT</b>                   | MULTI-VOLTAGE 10–30VDC, 350mA AT 12VDC, 180mA AT 24VDC. IN-RUSH HIGH CURRENT 1 SECOND: 1350mA AT 12VDC, 680mA AT 24VDC                                                        |
| <b>APPROVALS</b>                         | S8 AUSTRALIAN STANDARD AS4145.2–2008(SEcurity) , D8 AUSTRALIAN STANDARD AS4145.2–2008(DURABILITY)<br>RCM COMPLIANT, UP TO 4 HOURS FIRE RATED IN ACCORDANCE WITH AS1905.1–2015 |
| <b>PRELOAD</b>                           | UP TO 25KG                                                                                                                                                                    |
| <b>LSS MONITORING</b>                    | STATUS SENSOR OF THE INTERNAL LOCKING MECHANISM                                                                                                                               |
| <b>DSS MONITORING</b>                    | DOOR LATCH SENSOR, DOOR LATCH ENGAGED WITH STRIKE                                                                                                                             |
| <b>ATS MONITORING</b>                    | DOOR STRIKE REMOVED                                                                                                                                                           |
| <b>ENVIRONMENTAL</b>                     | IP54, OPERATIONAL TEMPERATURE RANGE –10 DEG.C TO +60 DEG.C.                                                                                                                   |

## WIRING AND POWER INPUT REQUIREMENTS:

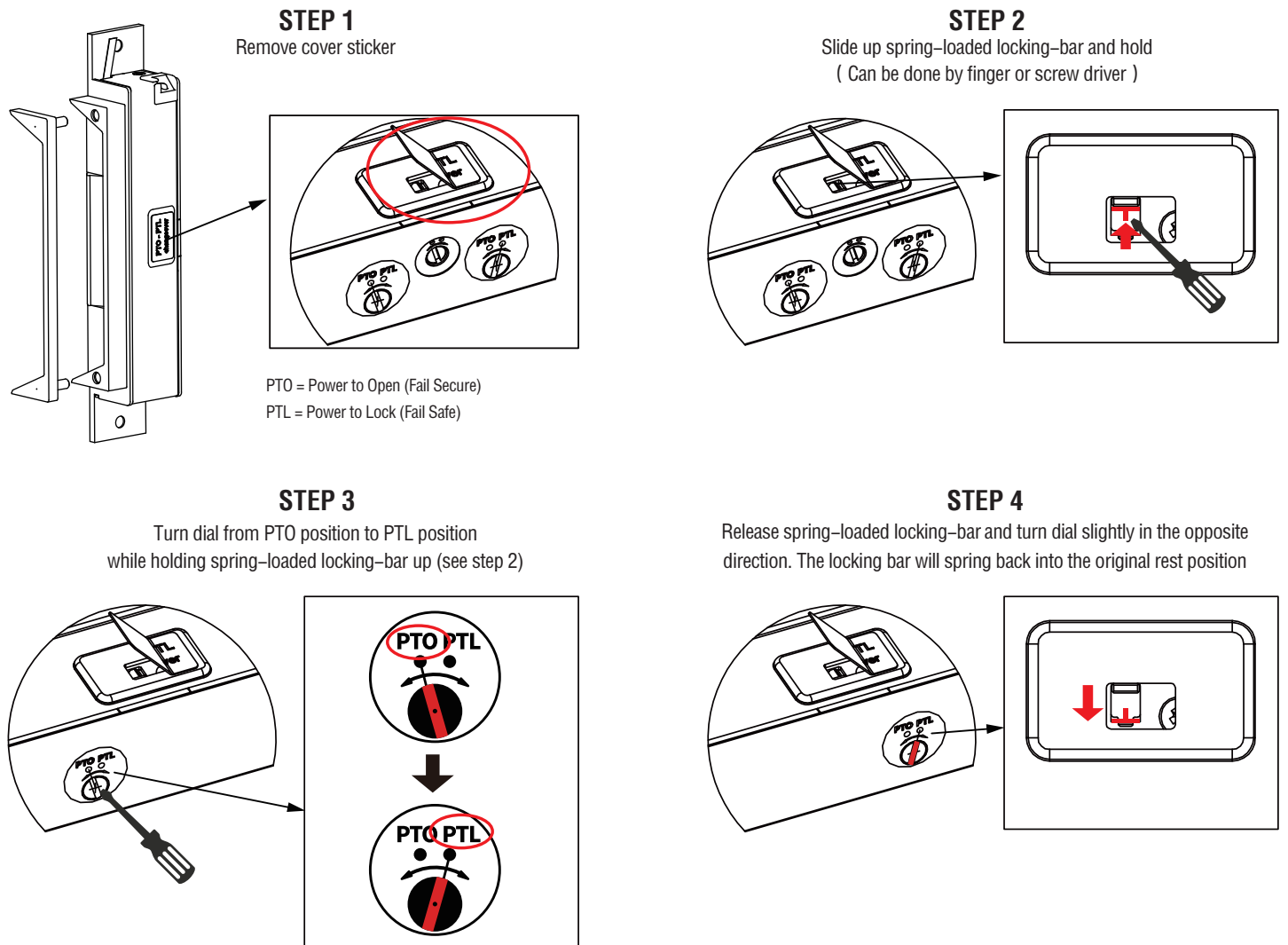


THE WIRING DIAGRAM IS SHOWN FOR THE LOCK BEING LOCKED, AND DOOR CLOSED.  
NO ADDITIONAL DIODE PROTECTION IS REQUIRED.

## DIMENSIONS:

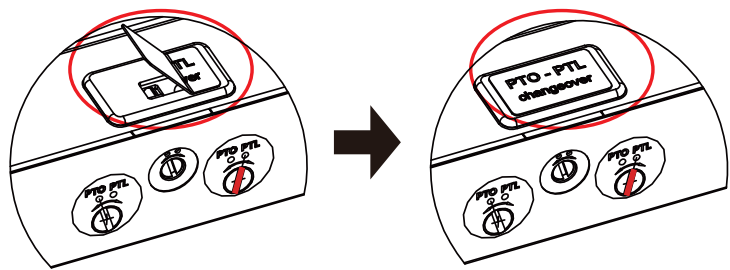


## CHANGING LOCK FUNCTION FROM FAIL SECURE (FACTORY DEFAULT) TO FAIL SAFE



**STEP 5**

Put back cover sticker (spare cover sticker in accessory kit if needed )



REVERSE ALL STEPS TO CHANGE FROM FAIL SAFE TO FAIL SECURE OPERATION

| PART NUMBER | PRODUCT DESCRIPTION                             |
|-------------|-------------------------------------------------|
| ES90M       | MONITORED HIGH SECURITY ELECTRIC PRELOAD STRIKE |
| ES20-EL15   | ES20 EXTENSION LIP 15MM                         |
| ES20-EL25   | ES20 EXTENSION LIP 25MM                         |
| ES20-EL50   | ES20 EXTENSION LIP 50MM                         |
| ES20-EL75   | ES20 EXTENSION LIP 75MM                         |
| ES20-REBATE | REBATE KIT FOR ES20 SERIES                      |

