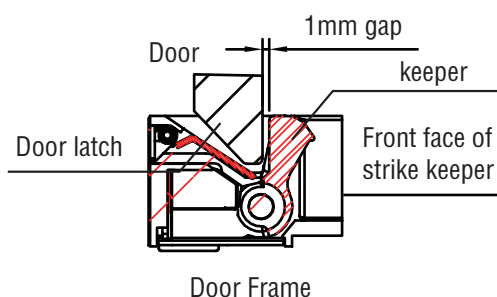


INTRODUCTION:

The LOX ES90M Electric PreLoad Strike is a premium, high-security door strike engineered to meet the demanding requirements of the Australian commercial access control market. Designed to perform reliably under conditions that typically hinder conventional strikes, the ES90M can operate seamlessly with up to 25kg of preload pressure—including forces caused by air pressure differentials, warped or misaligned doors, and heavy weather seals.

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

- **Lock Status Sensor (LSS)** – LOCK LOCKED/UNLOCKED
- **Door Latch Sensor (DSS)** – DOOR OPEN/CLOSED
- **Anti-tamper Sensor (ATS)** – STRIKE TAKEN OUT OF FRAME

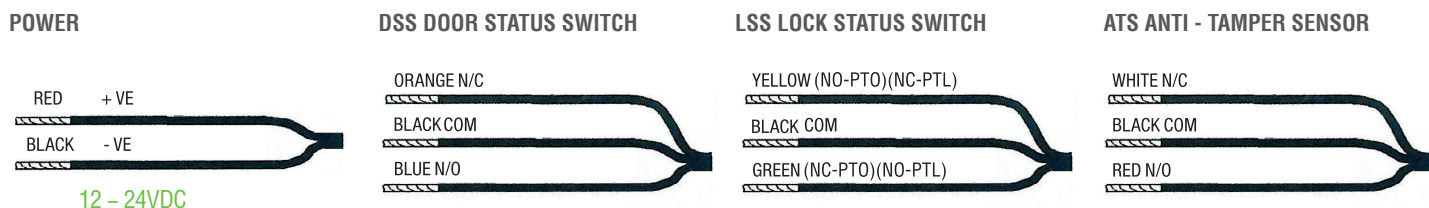


As drawn in the diagram above there should be a 1mm gap between the door latch and the front-face of the strike keeper

TECHNICAL DATA:

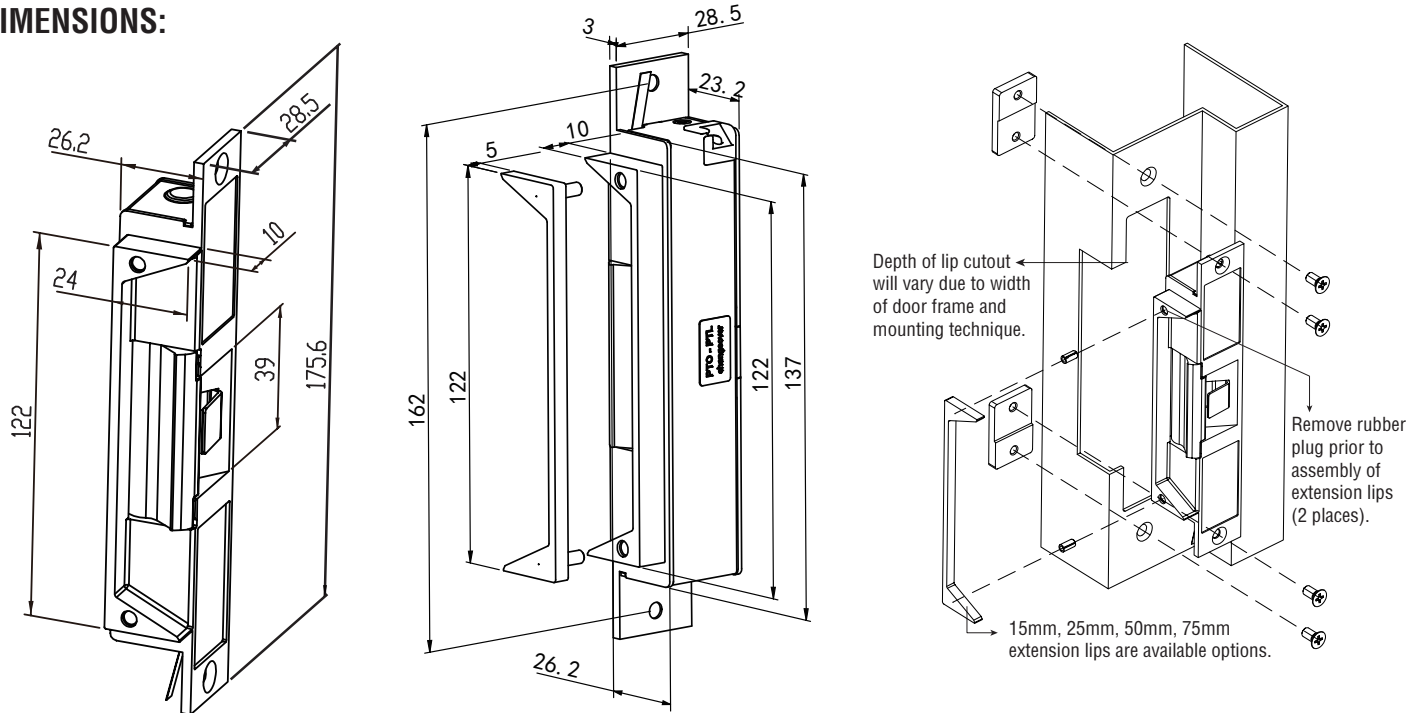
ES90M	AUSTRALIAN PROFILE MONITORED DOOR STRIKE. MORTICE MOUNT, POWER TO LOCK/POWER TO OPEN FIELD INTERCHANGEABLE CAPACITY.
HOLDING STRENGTH/DURABILITY	UP TO 1300KG, TESTED TO 2.7 MILLION CYCLES
VOLTAGE/CURRENT	MULTI VOLTAGE 12-24VDC, 350MA AT 12VDC 180MA AT 24VDC. IN RUSH CURRENT 1 SEC:1350MA AT 12VDC, 680MA AT 24VDC
APPROVALS	S8 AUSTRALIAN STANDARD AS4145.2-2008(SEcurity), D8 AUSTRALIAN STANDARD AS 4142.2-2008(DURABILITY) RCM COMPLIANT, UP TO 4 HOUR FIRE RATED IN ACCORDANCE WITH AS1905.1-2015
PRELOAD	UP TO 25KG
LSS MONITORING	STATUS SENSOR OF THE INTERNAL LOCKING MECHANISM
DSS MONITORING	DOOR LATCH SENSOR, DOOR LATCH ENGAGED WITHIN STRIKE
ATS MONITORING	DOOR STRIKE REMOVED OR REPOSITIONED SENSOR
ENVIRONMENTAL	IP54, OPERATIONAL TEMPERATURE RANGE – 10 DEG.C TO +60 DEG.C.

WIRING AND POWER INPUT REQUIREMENTS:

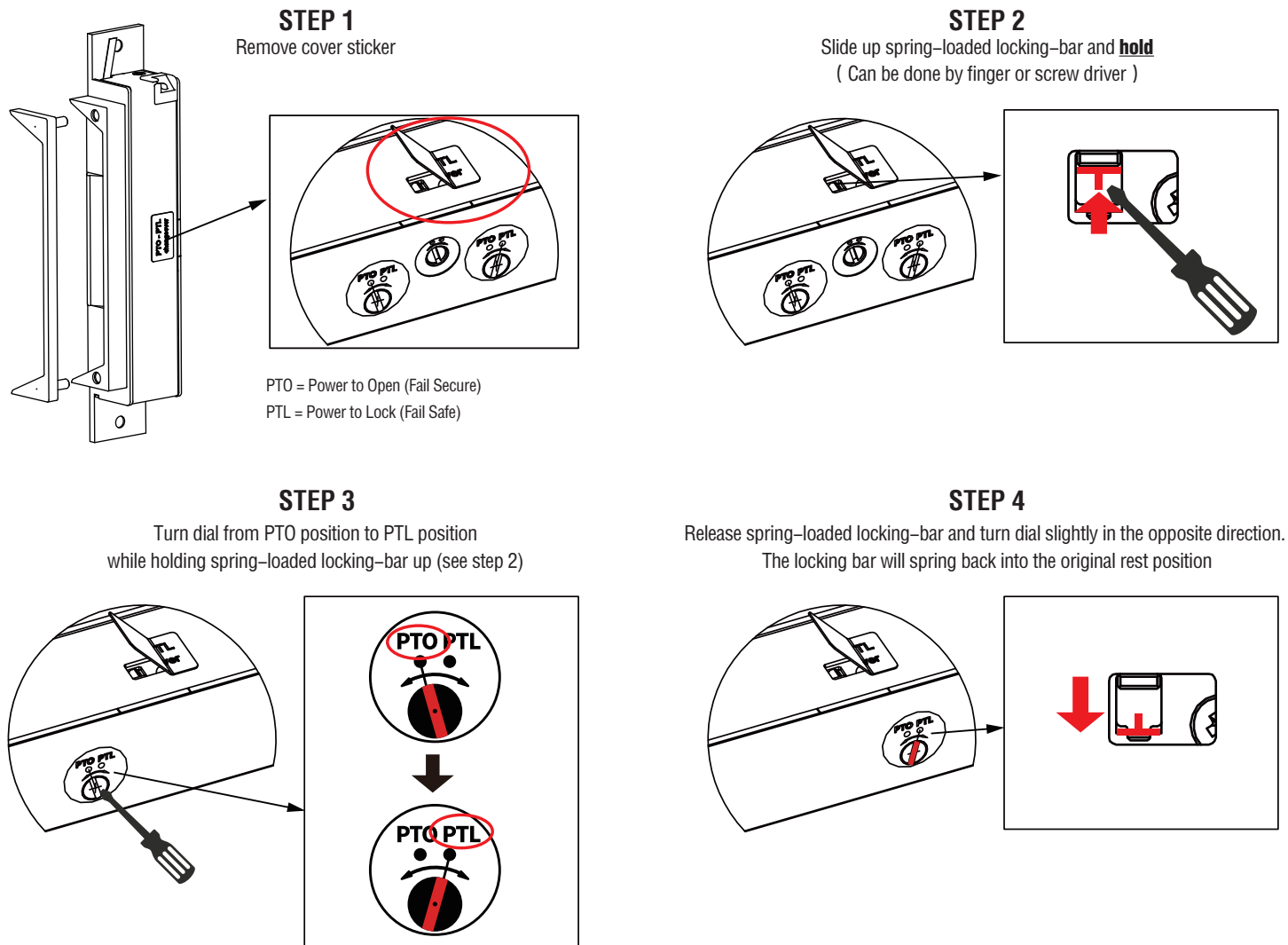


THE WIRING DIAGRAM IS SHOWN FOR THE LOCK BEING LOCKED, AND DOOR CLOSED.
NO ADDITIONAL DIODE PROTECTION IS REQUIRED.

DIMENSIONS:

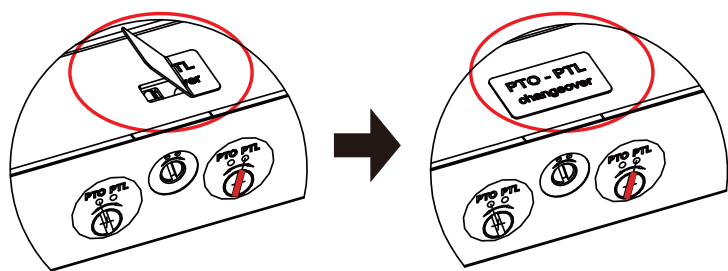


CHANGING LOCK FUNCTION FROM **FAIL SECURE (= FACTORY DEFAULT)** TO FAIL SAFE



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

