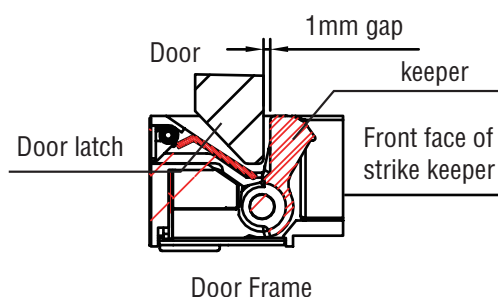


The LOX ES90M Electric Preload Strike is a premium, high security door strike engineered for the Australian commercial access control market.

Unlike conventional strikes, it reliably releases under preload pressures of up to 25kg, overcoming air pressure differentials, door misalignment, warpage 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

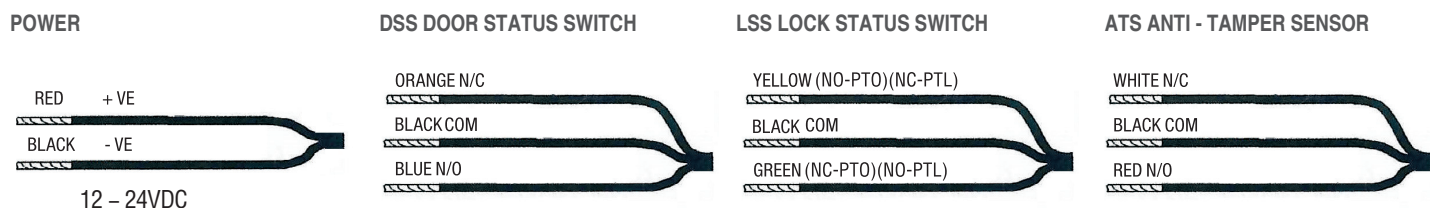


As drawn in the diagram above there should be a 1mm gap between the door latch and the front-face of the strike keeper

TECHNICAL DATA:

ES90M	AUSTRALIAN PROFILE MONITORED DOOR STRIKE. MORTICE MOUNT, Power to Open / Power to Lock FIELD INTERCHANGEABLE CAPACITY.
HOLDING STRENGTH/DURABILITY	UP TO 1300KG, TESTED TO 2.5 MILLION CYCLES
VOLTAGE/CURRENT	MULTI VOLTAGE 12-24VDC, 350MA AT 12VDC 180MA AT 24VDC. IN RUSH CURRENT <150ms: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.

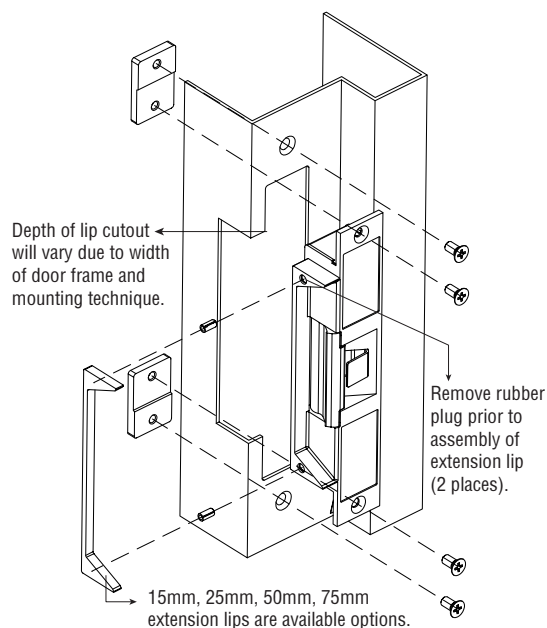
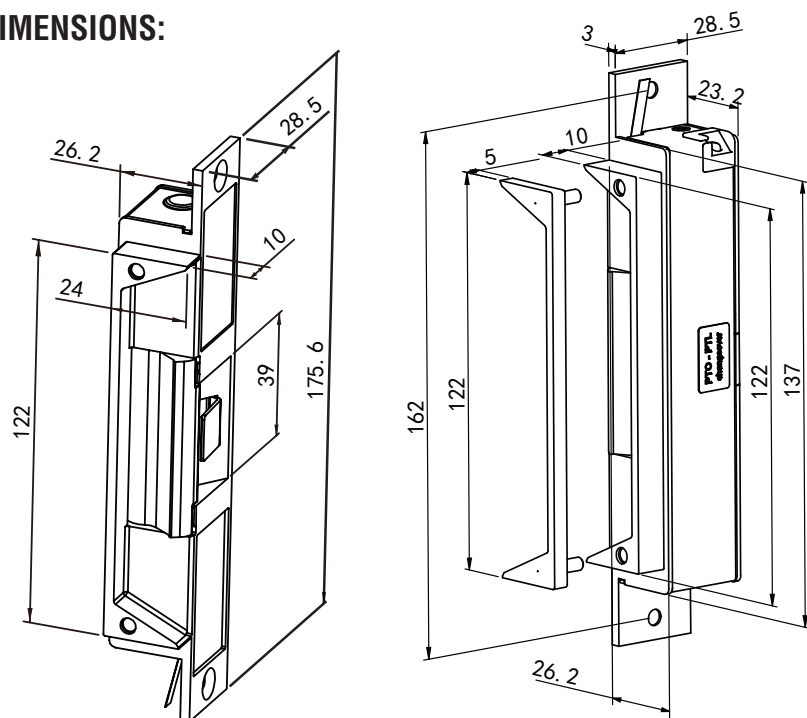
WIRING AND POWER INPUT REQUIREMENTS:



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

ES90M HIGH SECURITY ELECTRIC PRELOAD STRIKE INSTALLATION MANUAL

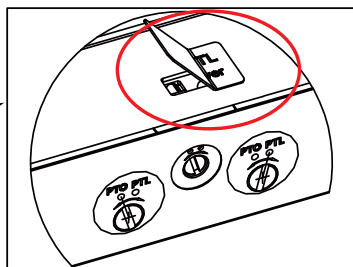
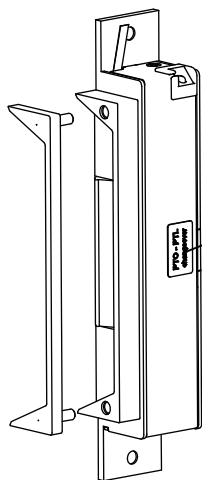
DIMENSIONS:



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

STEP 1

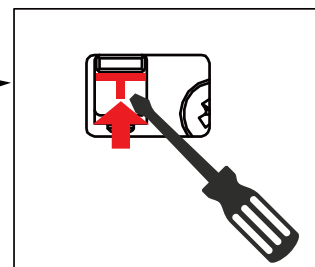
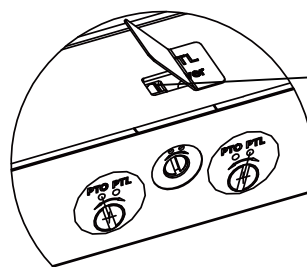
Remove cover sticker



PTO = Power to Open (Fail Secure)
PTL = Power to Lock (Fail Safe)

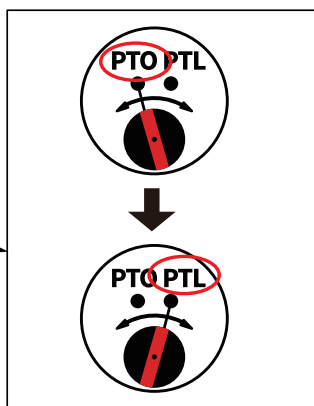
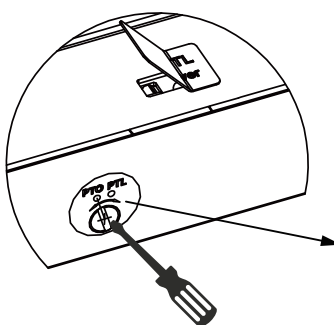
STEP 2

Slide up spring-loaded locking-bar and hold
(Can be done by finger or screwdriver)



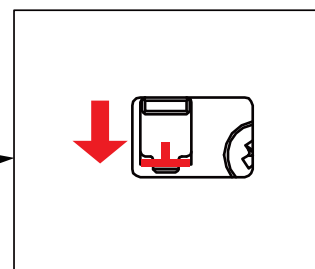
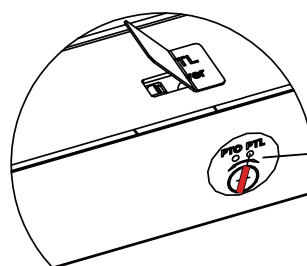
STEP 3

Turn dial from PTO position to PTL position while holding spring-loaded locking-bar up (see step 2)



STEP 4

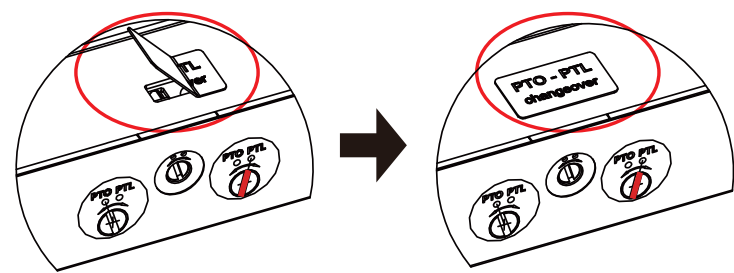
Release spring-loaded locking-bar and turn dial slightly in the opposite direction.
The locking bar will spring back into the original rest position



STEP 5

Put back cover sticker (or alternatively cover the opening with suitable tape to prevent dust ingress.)

PTO/PTL Changeover Video



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

