

Electric Escape Sashlock Installation Instructions

IMPORTANT: DO NOT remove magnet from box tidy and do not dismantle lockcase as this will void any warranty

Operation

The latch bolt is magnetically engaged when the door reaches the closed position and this will signal the deadbolt to be thrown; securing the door.

The inside handle will always withdraw both the latch bolt and deadbolt. When the deadbolt is thrown it prevents the outside lever handle from withdrawing the latch bolt until the deadbolt is withdrawn by the access control.

The cylinder and key is to be used as a mechanical override.

Preparing the Door

- Position template (T/ASEL/056) on door face correctly aligning the dashed door edge on the template with that of the actual door
- Mark positioning of all holes
- Drill all marked holes
- Using a wood chisel clear the excess material between the two holes drilled, for the cylinder, to create one clear opening
- Position template for forend, of the lock, across the edge of the door aligning the marked centre line on template with the actual centre line of door edge
- Mark the two fixing holes for securing the lock. Outline the lock body which will help guide you on how wide and high the mortice for the lock needs to be.
- Drill a hole from the hinged side of the door to the lock mortice and fit a 6 core cable through it.
- To protect the cable between the door and frame install a power transfer loop and feed cable through this.
- Your door will now be prepared for the lock case as shown in figure 1.

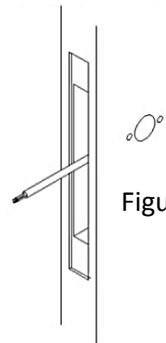
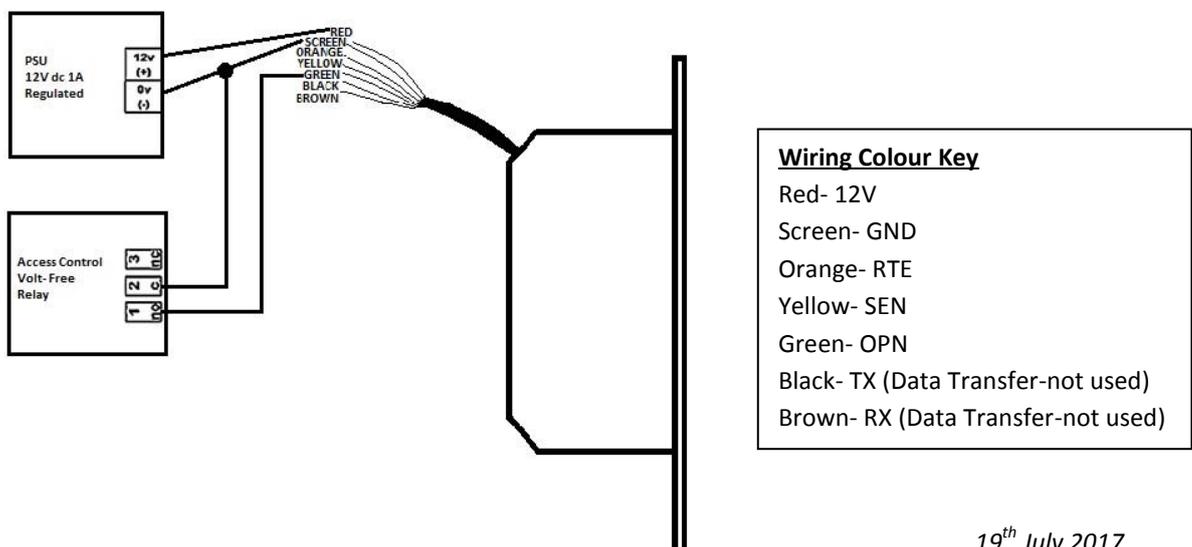


Figure 1

Wiring and Installing the Lock

VERY IMPORTANT: DO NOT connect 12V dc power supply until lock installation is complete.

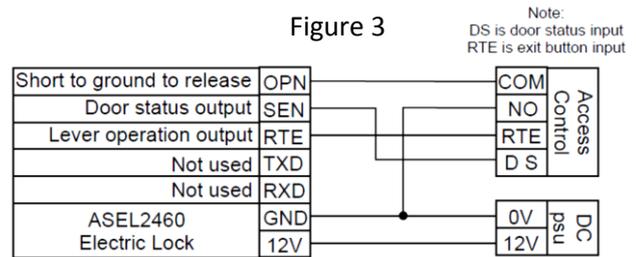
- Connect the lock wires to the 6 core cable coming through the door as shown in figure 2 taking care to observe polarity.
- Position lock in door and secure using supplied wood screws.



T/ASEL2460/057D

NOTE: The 'RXD' and 'TXD' are data connections and not used during installation; the 'SEN' and 'RTE' connections allow you to connect into a networked access control system to provide additional features as explained below

- The 'SEN' connection provides door monitoring and the 'RTE' connection prevents a "DOOR ALARM" signal being sent when the internal escape handle is operated for egress.
- If the above connections are being utilised then the unit should be wired as illustrated in figure 3



(GND= BLK+WHT, OPN=YEL, SEN=BLU, RTE=GRN, 12V=RED)

Fitting Cylinder and Security Escutcheon

IMPORTANT: DO NOT use a key and turn in conjunction with this unit.

- Fit cylinder of an appropriate size into lockcase and secure using supplied cylinder retaining screw
- Check the key can throw and withdraw the deadbolt from both sides of the door
- Position cylinder security escutcheon over cylinder and use fixing bolts to secure from the internal door face.
- Check the key still throws and withdraws deadbolt.

The cylinder can be used to withdraw the deadbolt by inserting the key and rotating 170°; turn key back through 170°, remove then operate handle to gain entry.

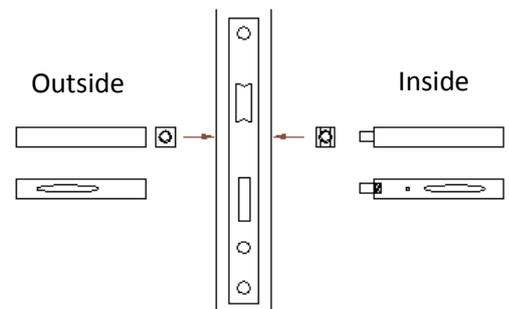
Installation of Split Spindle

IMPORTANT: Before installing the split spindle use the cylinder to throw the deadbolt to the locked position. This will ensure the cut outs in the centre plate of the follower are vertically aligned.

NOTE: Ensure the grooves in the two halves of the spindle are facing downwards

- From the internal door face insert the forked end of the spindle, with screw, in to the follower of the lock case. The forks of the spindle will locate into the cut outs in the centre plate of the follower
- From the external door face insert the half of the spindle with a threaded hole.
- Insert a flat headed screwdriver into the end of the internal spindle and locate in the head of screw and tighten. This will secure the screw in the threaded hole of the external half of the spindle

NOTE: Do not over tighten the spindle; when tight slack off by a ½ turn to ensure each end of spindle rotates independently.



Securing Handles

NOTE: Only sprung lever handle furniture is to be fitted with this lockcase.

- Using bolt through lever furniture simply position on to the spindle and tighten using fixings supplied.

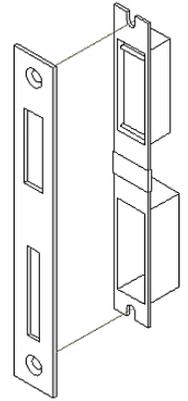
Fitting Strike Plate and Box Tidy

NOTE: This unit must only be used with the supplied strike and box tidy; therefore if retro-fitting the strike and box tidy must be replaced. This unit will not perform as intended if there is a gap of more than 7mm between lock forend and face of the strike plate

- Position striker on door frame

T/ASEL2460/057D

- Mark outline of striker and position of fixing holes ensuring the striker is correctly positioned to allow both latch and deadbolt to enter the openings
- Remove striker and position box tidy on door frame lining the marked fixing holes of striker plate with those of box tidy. Mark out an opening large enough to accept box tidy.
- Using a drill, of the appropriate size, and chisel remove the wood inside markings to create opening.
- Drill 2 pilot holes at marked fixing hole positions for securing striker and box tidy
- To allow striker to sit flush in door frame cut a 4mm rebate at the previously marked outline of striker plate
- Secure box tidy and striker to frame using supplied wood screws.



Standing inside the door check both the latch bolt and deadbolt enter their openings.

- Move door to the closed position and check the latch engages; insert key in cylinder and rotate to throw and withdraw deadbolt ensuring it moves freely.

Powering up the Lock

- **Once you have checked the mechanical aspects of the installation you can connect the 12V dc in the power supply to power up the lock.**
- **You can now also connect the battery back up in the power supply for emergency power, if used.**

From the inside of the door allow the door to close. You should hear the latch bolt engage in to the striker and the deadbolt also engage after a further 1.5 seconds.

Press the internal lever handle; both latch and deadbolt should withdraw with ease.

Now unlock the door via the Access Control System. The deadbolt will withdraw allowing the outside lever handle to become operational to withdraw the latch bolt and gain entry. If the handle is not operated the Access Control will relock the door as the deadbolt will reengage with the striker.

Lock Operation

External Door Face

- Close door
- The latch bolt will engage instantly and the deadbolt will be thrown after a 1.5 second delay.
NOTE: The split spindle now blocks the outside lever handle.
- To gain entry unlock the door via the Access Control System.
- The deadbolt will withdraw and unblock the outside lever handle.
- Press lever handle to withdraw the latch bolt and enter.
NOTE: If the handle is not pressed within 1.5 seconds of the deadbolt withdrawing then the Access Control will automatically relock by throwing the deadbolt back to the secure position.

Internal Door Face

- Close Door
- Simply operate lever handle to withdraw both latch bolt and deadbolt allowing you to exit.

T/ASEL2460/057D

Specification

Electrical

Operating Voltage: 10-15V dc

Operating Current at 12V dc: 900mA (17 milliseconds)

Idle Current at 12V dc: 4 mA

Control Input Voltage (OPN): 5.5V dc Max < 0.8V dc to Unlock

Physical

Max gap between Forend and Keep Plate is 6.0mm

Dimensions

Case Depth: 89mm

Case Depth with wiring module: 105mm

Case Thickness: 16mm

Case Length: 165mm

Faceplate of Lock, Length x Width: 235mm x 24mm

Backset: 60mm

Centres: 72mm

Keep Plate Length x Width: 185mm x 25mm

Keep Plate depth with Box Tidy: 25mm

Weight: 0.8Kg