

ES8000-S V-Lock



The Lockwood Padde Series world famous and original V-Lock has been completely re-engineered to provide superior performance and reliability.

The ES8000-S now incorporates a new motor and 1:19 ratio gearbox providing up to 65% additional preload capability and a higher locking force up to 10Kg.

The electronic circuitry has also been completely upgraded to intelligently detect the locked state with “smart” retry function & uses on average 25% less peak current draw.

Aside from some minor cosmetic changes, the lock body and overall footprint remains unchanged and is a direct retrofit for the original V-Lock.

Features

- Side load - Pre-load Capable Lock will unlock with up to 25kg of side pressure, when wired in 3 wire mode
- Door misalignment of up to 3.5mm +/- (total of 7mm)
- Power to Lock (Fail Safe) / Power to Open (Fail Secure) field configurable
- High Torque Motorised locking and unlocking (3 wire mode)

- High Speed Operation. Unlocks in less than 1 second
- Intelligent smart retry locking function
- Surface Mount Accessory Kit. Ideal for 180° swing through glass door applications
- Multiple applications – For Interior Doors the lock can be mounted vertically or horizontally (Note: for exterior doors due to possible water ingress the ES8000 must be mounted horizontally)
- 5 Year Tricare Warranty (Padde Series)

Applications

- Misaligned doors
- Timber doors
- Glass doors

Functions

The ES8000-S has a high torque motorised bolt that moves from the vertical position to the horizontal state when locked. The bolt moves into the V shaped strike plate & allows for door misalignment of up to 7mm. The high torque motorised bolt can be concealed from view or surface mounted and has the world’s first fail-safe motor locking mechanism.

Product Details

Voltage	12 to 24Vdc, Voltage Tolerance 12V(+15% - 0%) 24V(+/- 15%)
Peak Current	1000mA*
Idle Current	19mA
Monitoring	COM, NO, NC Voltage free changeover contacts rated at 30 vdc/100mA
Unlocking Time	1 sec
Locking Time	3 sec
Security Passed	S3 (AS4145.2-1993)
Strength Maximum	1000kg (with supported strike plate and bracket)
Unlocking Preload	Side Load rated: Motorised Unlocking - 25kg max at bolt
Locking Force	Fail Safe Unlocking - 10kg max at bolt
Endurance	300,000 operations
Environment	Operational temperature range -20°C to +60°C
Locking Body	Stainless Steel Lock Body and Faceplate
Bolt	11mm diameter, 20.5mm projection

* Peak current is reduced but a 1000mA power supply is still required for 12v installations.

Standards and Compliance

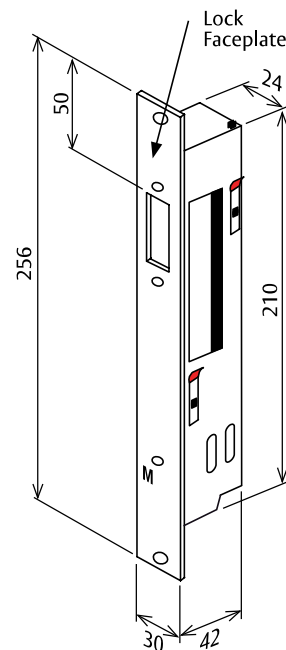
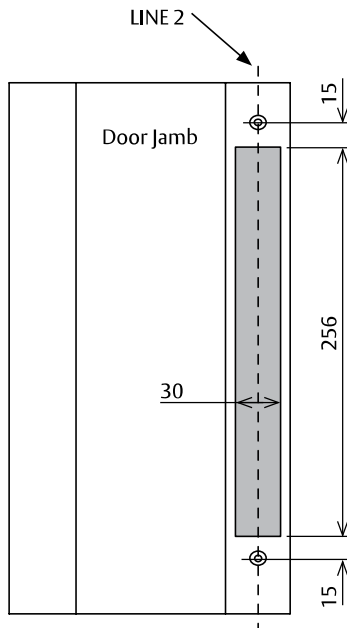


Successfully fire rated up to 4 hours on fire door assemblies in accordance with AS1905.1. 2005 (Part 1: Fire Resistant Doorsets).

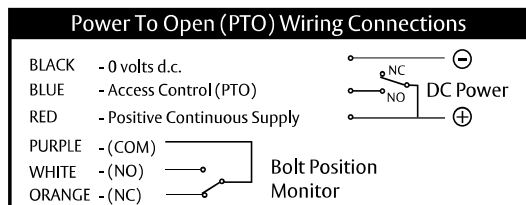
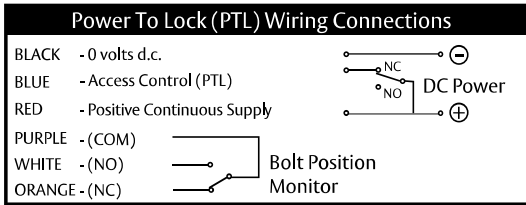


C-Tick Certified

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Wiring below shows lock in locked position



Ordering Information

Part Number	Product Description
ES8000-1	ES8000 D/Bolt 12-24Vdc Fail Safe Monitored
ES8000-2	ES8000 D/Bolt 12-24Vdc Fail Secure Monitored
ES8000HS-1	ES8000 D/Bolt High Sec 12-24Vdc Fail Safe Monitored
ES8000HS-2	ES8000 D/Bolt High Sec 12-24Vdc Fail Secure Monitored
Accessories	
208000-000	ES8000 V-Lock Glass Door Housing (including dress plate and fixing tape)
208000-003	ES8000 V-Lock Strike Plate with Magnet (spare part)

Specification Statement

The lock must be a high torque motorised bolt with pre-load tolerance. The strike plate must be shaped in a V format to accommodate for misaligned doors. Lock will unlock with up to 25kg of side pressure and will be powered with 12-24v and draw no more than 1000mA. The lock must be configured for Power to Lock (fail safe) or Power to Open (fail secure). The lock must be triggered with a magnet positioned in strike plate and be monitored for locked unlocked and door position.