

### General Description

The ES8000, also known as the V-lock is 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 pulling the door aligned with the lock. The high torque motorised bolt can be concealed from view or surface mounted and has the worlds first fail-open motor locking mechanism which eliminates the need and cost of an additional key override function.

Slim design with classic satin stainless steel faceplate, and significant 7mm overall(+/- 3.5mm) door misalignment tolerance make ES8000 a product with great aesthetic appearance as well as easy installation.

### Key Features

- Side load - pre load capable lock will unlock with up to 15kg of side pressure, when wired in 3 wire mode. 1 x permanent power (positive 12-24Vdc) wire. Negative (0 volt return) wire, and 1 x switching input (positive 12-24Vdc) wire
- Door misalignment of up to 3.5mm +/-
- 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
- Surface Mount Accessory Kit. Ideal for 180°swing through glass door applications
- **Multiple Orientation – Interior Doors**  
Can be mounted vertically or horizontally(For exterior doors where water ingress is likely ES8000 must be mounted horizontally)
- SCEC Endorsed (Intruder Resistant bracket Required)
- Successfully used in PAS24 security door set tests
- CE marked to EMC Directive

### Applications

- Misaligned doors
- Timber Doors
- Glass Doors
- Aluminium Doors



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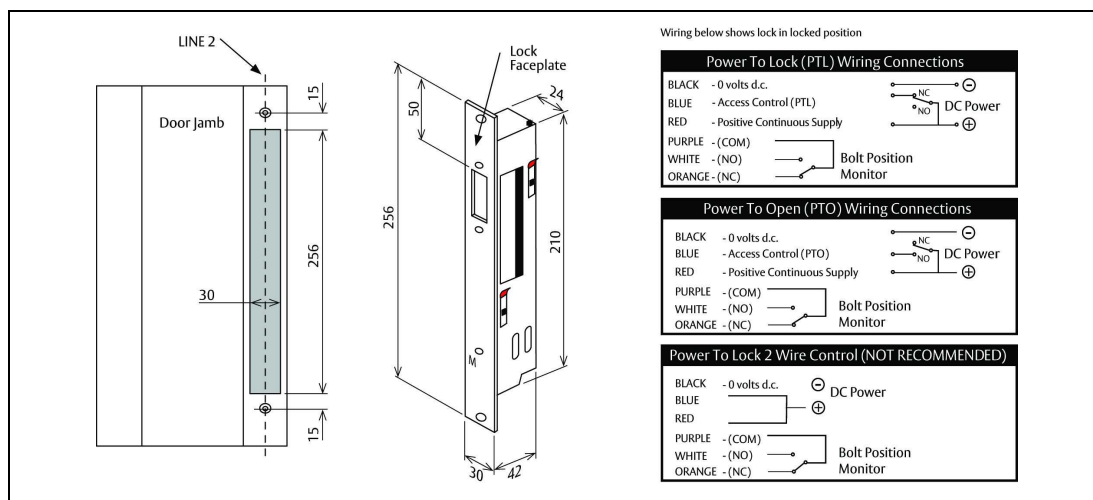
# Specialist

## V-Lock - ES8000

### Technical

<b>Voltage</b>	12 to 24Vdc, Voltage Tolerance 12V (+ 15% - 0%) 24V(+/- 15%)
<b>Current</b>	Minimum 1 Amp Regulated Supply
<b>Monitoring</b>	COM, NO, NC Voltage free changeover contacts rated at 48 dc/100mA)
<b>Security</b>	Passed S3 (AS4145.2- 1993)
<b>Strength</b>	Maximum 1000kg (with supported strike plate)
<b>Side Load</b>	Side Load rated: Motorised Unlocking – 15kg max at bolt Fail Safe Unlocking – 3kg max at bolt
<b>Endurance</b>	300,000 operations
<b>Environment</b>	Operational temperature range -20°C to + 60°C
<b>Lock Body</b>	Stainless Steel Lock Body and Faceplate
<b>Bolt</b>	11mm diameter, 20.5mm projection

### Technical Drawing



### Specifications

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 15kg of side pressure and will be powered with 12-24v and draw no more than 1000mA. The lock must be configurable 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.

### Ordering Information

118001-010	TRIMEC ES8001-TBAS
118002-010	TRIMEC ES8002-TBAS
218000-000	TRIMEC ES8000-Glass Door Kit