

Sliding Door Operators - EMSL / EMSL T



High-Performance Operator

Many of the most valuable features and innovations that characterize EntreMatic's strive for optimal function and performance are combined in the EntreMatic sliding door operators EMSL/EMSL T (Telescopic). These operators have earned a reputation for user-friendliness and providing a stable product life length due low maintenance needs. These robust and reliable operators provide a problem-free investment that functions well in a wide variety of climates and in traffic needs. These operators can be integrated as part of EntreMatic profile system EMPS, but they can also be adapted to a wide range of different doors and customer requirements.

Easy Installations

Both EMSL/EMSL-T are easy to install as a replacement or a new installation. EntreMatic's operators contain several years of engineering know-how that has contributed to making the installation simple, quick and flexible.

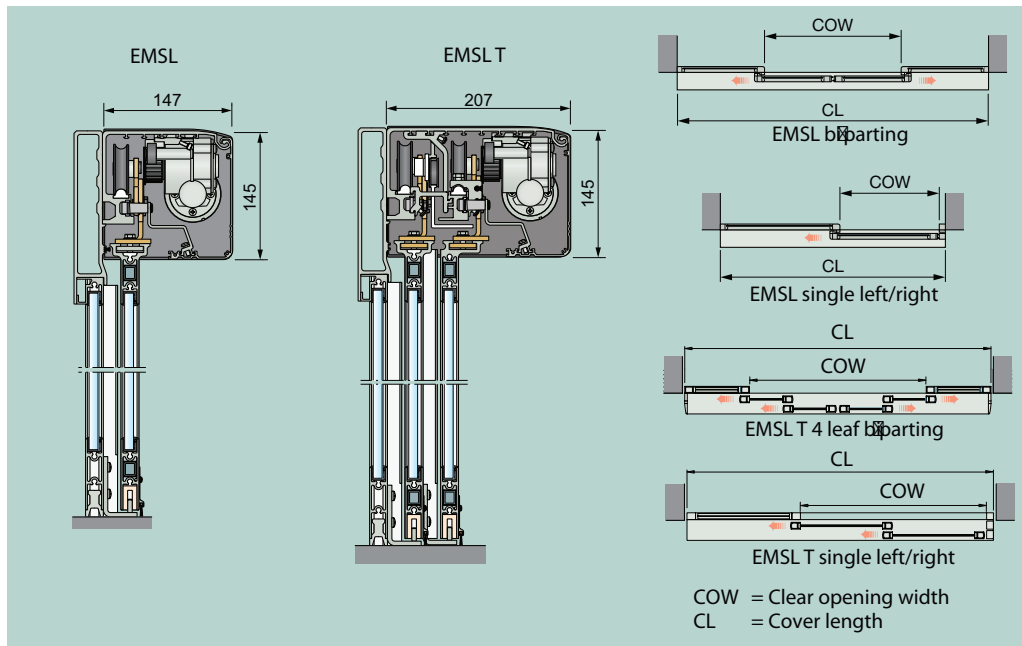
Although they are sleek in appearance, these operators are suitable for the heaviest duty applications and are pre-programmed to comply with the customer's specific requirements for an easy installation.

World-class Safety

Safety is one of the most vital factors in product development. For instance, to permit safe passage between closing doors, the doors immediately reverse if an obstruction is detected, then resume their interrupted movement at low speed to check whether the obstruction has disappeared or not. If an obstruction is detected between opening doors and surrounding walls or interior fittings, the door immediately stops and then closes after a time delay. Our operators can be combined with a variety of safety sensors providing full safety and security. Additionally, The EMSL/EMSL T is constructed to meet various authority regulations for emergency escape routes.



Swing Door Operator - EMSL / EMSL T



Self-monitoring

The microprocessor has an integral self-monitoring device which detects any interference or faulty signals in door operation and takes necessary measures to ensure a safe operation.

Design

The drive unit, control unit, transmission – or optional emergency unit and electromechanical locking device – are all assembled in the support beam. The drive unit transmits movement to the door leaves by means of a tooth belt. The door leaves with integrated or separately mounted door adaptors can be adjusted height-, length- and depth-wise. Journalled steel rollers and sliding track made of high-grade plastic give exceptionally smooth and silent operation.

Emergency

The EMSL/EMSL T n either be combined with a mechanical emergency unit that automatically opens the doors – or an electronic emergency unit that automatically opens or closes the doors – in the event of a power failure. The EMSL/EMSL T can also be interfaced with fire alarms or smoke detectors.

Models

EMSL	bi-parting
EMSL	single
EMSL T	4 leaf bi-parting
EMSL T	2 leaf, single

Standard equipment

- Operator including:
- Support beam with transmission
 - Double carriage wheels
 - Electronic control unit with plug-in connections and power supply
 - Partial opening width
 - Synchronizing of two operators

Accessories

- Cover in clear anodized aluminium
- Door adaptor for doors up to 65 mm thickness made by others
- Program selector
- Electronic emergency opening unit
- Mechanical emergency opening unit
- Break-out unit
- Emergency button
- Microwave or IR activators
- Presence detection photocells
- Electromechanical locking devices
- Interlocking between two operators
- Key switch
- EMPS Profile System

Technical specifications

- Power supply: 120 V AC -10% to 240 V AC +10%; 50/60 Hz
- Power consumption: max. 250 W
- Recommended max. door weight:
 - EMSL bi-parting 100 kg/door leaf
 - EMSL single 200 kg
 - EMSL T bi-parting 75 kg/door leaf
 - EMSL T single 100 kg/door leaf
- Clear opening:
 - EMSL 900 – 2800 mm
 - EMSL T bi-parting 1600 – 4000 mm
 - EMSL T single 1000 – 4000 mm
- Opening and closing speed: variable up to 1.4 m/s (2 leaves)
- Hold open time: 0 – 60 s
- Ambient temperature: -20°C to +50°C
- Relative humidity (non-condensing): 5% to 85%

Authority approval

The EMSL/EMSL T meets the following requirements;

- EN-50081-1, EN-61000-6-2
- EN-60335-1, EN-60950
- SP MKh P006576, SP P101414
- SP P005875, SP F100650
- SITAC 0002/01
- TÜV NO.: B 01 08 13927 026
- TÜV CB-certificate DE3-1371
- UL File 47833 Vol. 1C Sec. 10
- UL File 47833 Vol. 1C Sec.11