

Sliding Door Operator EMSL/EMSL-T



High performance

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 operator EMSL/T. The EMSL/T can be integrated as part of EntreMatic Profile System, EMPS, but it can also be adapted to a wide range of different door and customer requirements.

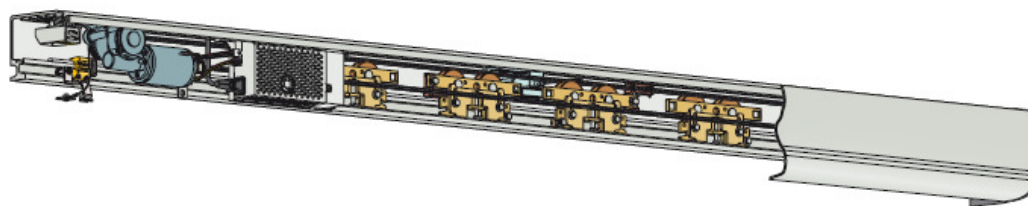
Easy installation

With all units completely assembled in the support beam it is equally easy to install as a replacement as for new installations. Although it is very small and slim in appearance, it is entirely suitable for the heaviest duty applications. The operator is pre-programmed to comply with the customer's specific requirements for an easy installation.

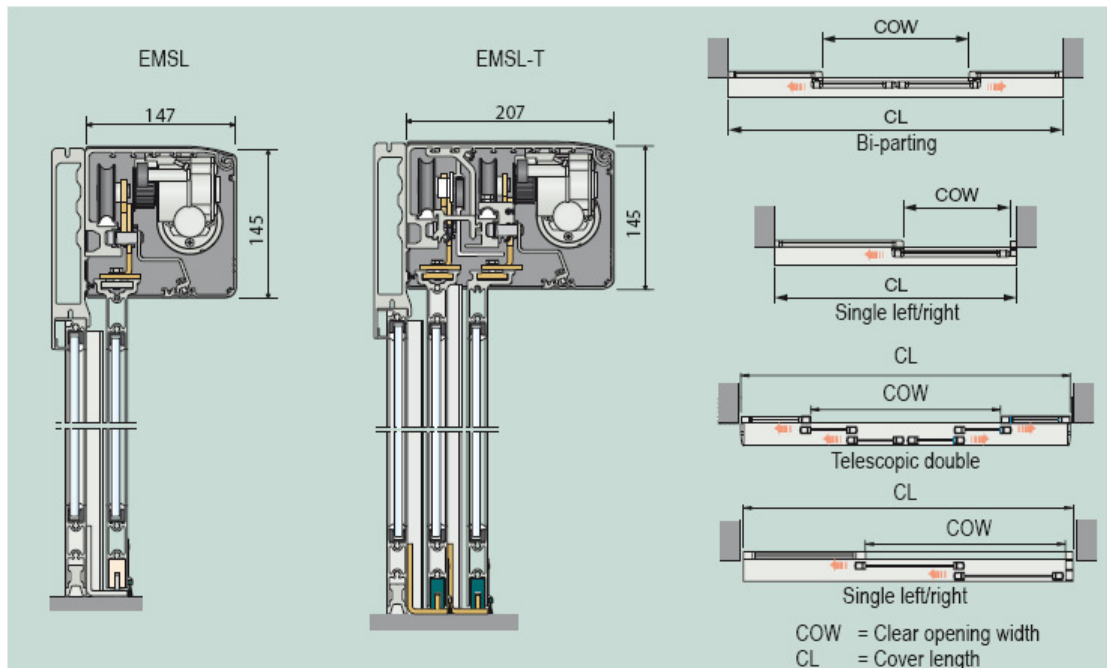
No compromise on safety

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. To extend the safety a various safety sensors can be used.

The sliding door EMSL/T is constructed to meet various authority regulations for Emergency escape route.



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

Models

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

Standard equipment

Operator including:

- Support beam with transmission
- Double carriage wheel
- Program selector
- Electronic control unit with plug-in connections and power supply
- Traffic-controlled 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
- Presence detection photocells
- Electromechanical locking devices
- Interlocking between two operators
- Key switch
- EMPS Profile System

Technical specifications

- Power supply: 100 V AC -15% to 240 V AC +10%; 50/60 Hz
- Power consumption: max. 250 W
- Recommended max. door weight: EMSL 180 kg/door leaf/single 230 kg
- Clear opening: EMSL 900 – 2800 mm EMSL/T-single 2000 mm EMSL/bi-parting 3000 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/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

