



EM PSW250

Swing Door Operator

www.ementrematic.com

Silent, slim and powerful -EM PSW250

The EM PSW250 is one of the most powerful, safe and flexible door operators in the market. Slim design, silent operation, high performance and a wide range of accessories for convenience, safety and security makes EM PSW250 the ideal choice for almost any application, e.g. in healthcare-, commercial- and public buildings.

Appealing design and high performance

The slim 70mm design of EM PSW250 enables an appealing solution when available space for installation is limited, or when there are aesthetical requirements on the door system. Despite the slim dimensions of the operator, there are no compromises with performance. EM PSW250 can operate heavy doors up to 250kg and ensures a proper operation no matter of air pressure differences or tough weather conditions e.g. heavy wind loads.

Convenience for all kind of users and applications

Designed to meet the highest requirements on reliability and silent operation, the EM PSW250 ensures an efficient and convenient operation of your automatic entrance over time. In the event of power failure, EM PSW250 can be activated by a battery back-up and thereby continue to operate independent of power supply. Intelligent standard functions such as "Push and Go" and "Power Assist" also allows EM PSW250 to be easily manually opened. A wide range of safety sensors, radars and other activation units enables optimized solutions for your automatic door no matter of application or type of users.

World-class Safety and security

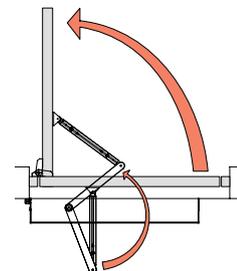
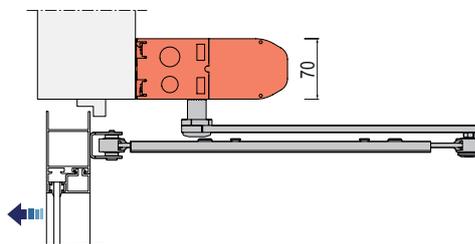
EM PSW250 is fully compliant with European standards including EN16005 and offers a wide range of intelligent standard functions to ensure a safe operation. The optional Low-Energy setting limits the speed and force during opening and closing. When an obstruction is detected during operation, the operator stops and revers-

es the direction. EM PSW250 can be equipped with monitored safety sensors and thereby ensure a safe entrance during Full-Energy operation. When the safety sensors detect an obstacle during opening phase, it stops. When an obstacle is detected during closing phase, it stops and reverses direction. If a monitored sensor detects an error, the door is automatically stopped and shifts to manual operation.

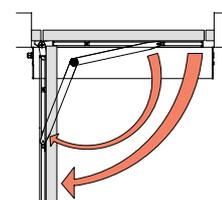
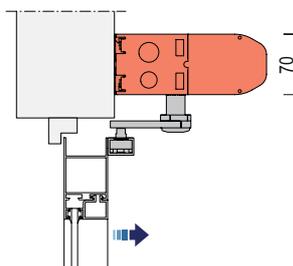
EM PSW250 is approved for fire doors, both for single doors and with its unique mechanical coordination unit also for double doors.

To ensure a safe and secure automatic entrance, EM PSW250 comes with intelligent functions for electronic locks. The Fail-Safe mode locks the door with power. In the event of power failure, the door is unlocked and enables a safe manual exit through the door. The Fail-Secure mode locks the door without power. In the event of power failure, the door is still locked and ensures the security of the entrance. If there is an obstruction preventing the door to lock, the Lock-Retry functions repeats the locking cycle until the door is closed and locked. For double doors, the synchronization function prevents jamming and secures correct closing and locking.

Pushing arm system, PUSH



Pulling arm system, PULL



Cost efficiency

Life-time Cost efficiency

EM PSW250 is designed with cost efficiency in mind. It is delivered in complete packages with all necessary components in one box and thereby simplifies logistics and save time all the way from purchasing to the final installation. Innovative and installer friendly features such as pre-wired sensors that easily are connected with quick connectors not only save time but also eliminate the risk for faults during installation. The intelligent self-learning cycle is a guarantee for quick and correct commissioning of the operator. When installed, EM PSW250 can easily be accessed for regular service and maintenance.

Accessories

- Armsystems, PULL and PUSH
- Sensors and activation units
- Coordination unit for double doors
- Back-up battery
- Program selectors

The EM PSW250 meets the following requirements;

User safety [EN 16005]

Fire resistance

[EN 1634-1, DIN 18263-4]

Authority approvals



Technical specifications

Power supply:	100-240 VAC +10/-15%, 50/60 Hz, mains fuse max 10A (building installation)
Power consumption:	Max. 300 W
Auxiliary voltage:	24 V DC, max. 700 mA
Ambient temperature:	-20 °C to +45 °C
Recommended max. door weight and door width:	Inertia J = Door Weight x (door width) ² /3 PUSH = 140 kgm ² PULL = 80 kgm ²
Operator weight incl. cover	ca. 9kg

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