

Datasheet | EMZY "MZT35i" Electronic motorised cylinder

Any mechanical EVVA lock system can be enhanced for electronically controlled locking/unlocking with the EMZY (electronic motorised cylinder). Independent of handle set and lock, the doors of sensitive building and access areas can be automatically locked and unlocked.



Performance features

- ▶ Integration in all mechanical EVVA lock systems
- ▶ Highly reliable and durable: the static section of the motorised knob module produces a strong connection to the cylinder housing.
- ▶ Shaped spacers allow a seamless transition from the knob to the handle set.
- ▶ The opening radii of doors influenced the development of this ergonomic knob shape.
- ▶ The small spindle dimension and short cylinder length on the knob side make this motorised knob suitable for profile frame doors too.
- ▶ There are various surface designs available – appropriate for any door leaf.
- ▶ Compatible with locks having euro profile cylinders or RP22
- ▶ Also suitable for plug pulling protection handle sets
- ▶ Simple, intuitive operation of the integrated membrane button eliminates the need for a separate exit door button
- ▶ Simple day/night changeover: the integrated knob button can be used to switch between daytime (continuously open) and night-time (permanently locked) operation.

Installation & operation

- ▶ An interactive learn mode automates setup of the lock's functions (e.g. change functions) as well as locking cycles and turn direction – without a PC or programming device
- ▶ During installation, the modular design allows on-site adaptation of the lock's cylinder length to the given door leaf thickness.

Technical data

Min. cylinder length, knob side:	31 mm (36 mm for RP22)
Min. cylinder length, outside:	31 mm
Number of spacer discs:	3 spacer discs, each 1.5 mm thick, included in delivery complement
Supported mech. systems:	MCS, 3KS+, ICS, EPS, other systems on request
Minimum spindle dimension:	35 mm for standard-hung door per ÖNORM 5350, DIN 18251 1–3
Knob dimensions:	Diameter: max. 40 mm Length: 64 mm
Surface designs:	nickel, nickel polished, brass polished, patinated brown, patinated black
Mortise locks:	locks with euro profile cylinder cut-out or Swiss round profile (e.g. most DIN and ÖNORM locks)
Suitable handle sets:	no known limitations, even suitable for plug pulling protected escutcheons
Lock cam variations:	lock cams per DIN/ÖNORM as well as cogwheels (10/18 teeth), and double cams
Lock cycle count:	one or multiple cycle locks
Opening time:	<1 second per cycle
Torque:	≤ 1 Nm
Temperature range:	-20 °C to +70 °C
Humidity:	20 % ... 80 %, not condensing
Compatible controller types:	"MCU MI" EMZY micro controller
Maintenance and care notices:	do not use lubricants

For a successful learning process the EMZY should be turn a minimum angular degree of 45° over is his Zero-Position (key withdrawal position) in both directions. Attention: There are mortise locks which don't allow that.

