

TPB-EM 1070

ELECTROMECHANICAL ROAD BOLLARD



GENERAL INFORMATION

TPB-EM series electromechanical road bollards provide moderate level of protection with aesthetic appearances thanks to their modern design. Also, TPB-EM series are a budget friendly solution for the projects with financial constraints and suitable for high-frequency usage.

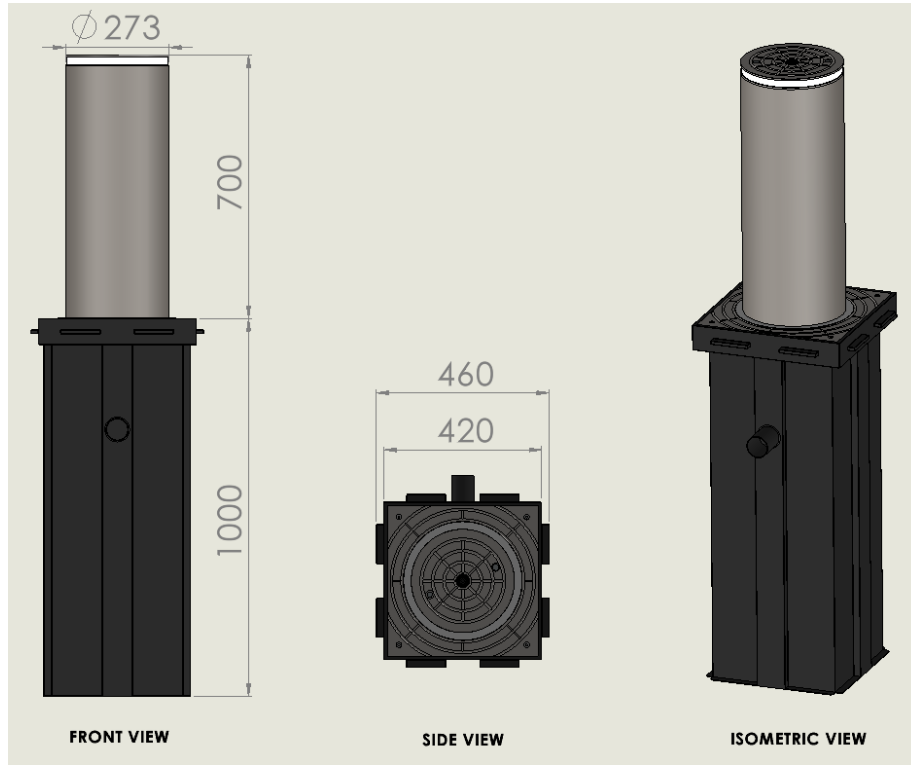
Electromechanical bollards are widely used at high-security access applications and regulation of city traffic at entrance-exit points, military areas, industrial, governmental buildings, and streets that are closed to traffic in certain hours of the day.

Although the drive unit of the system is electromechanical, in a case of power failure, it is possible to lower the bollard manually by the help of the battery inside the control cabinet. Thanks to microprocessor controlled electronic board, the raising-lowering operation can be achieved by card readers, remote control, on/off key switches, biometric readers, etc. Safety accessories like photocells, loop detectors and other optional accessories like traffic lights, flash lights can be integrated to the system.

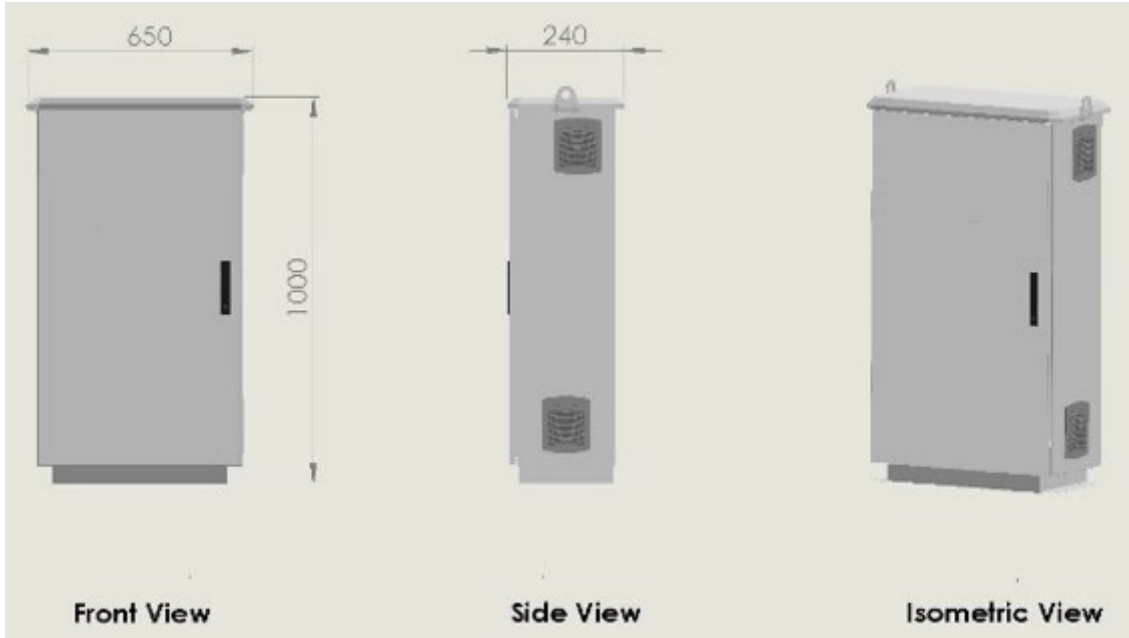
MAIN CHARACTERISTICS

- Electromechanical power pack design provides maximum reliability,
- Thanks to modular case design, easy to installation and maintenance,
- Smooth and silent operation,
- Cost effective solution,
- Suitable for intense usages, 10000 + movements per day,
- Heavy duty structure,
- Aesthetic designs,
- In case of a power failure, it is possible to control manually.

TECHNICAL SPECIFICATIONS



CONTROL CABINET PHYSICAL CHARACTERISTICS



CABINET: 2 mm thick DKP sheet, anti-corrosion electrostatic oven painted, continuous ventilation system. The dimensions of the cabinet are adjusted for a maximum of 6 bollards.

PHYSICAL CHARACTERISTICS

CYLINDER DIAMETER	273 mm
OBSTACLE HEIGHT	700 mm standard
CYLINDER THICKNESS	5 mm
MATERIAL	Electrostatic Powder Coated 5 mm steel core (standard), 304 grade 5 mm steel core (optional)
OUTER CASE DIMENSIONS	400 x 600 x 845 mm (W x L x H)
VISIBILITY ENHANCEMENT	Optional LED stripe

OPERATIONAL CHARACTERISTICS

DRIVE	Electromechanical
DRIVE POWER	220 VAC, 50-60 Hz, 1 Phase, 0.25 kW
LIFTING/LOWERING TIME	5 - 6 seconds (standard)
OPERATION FREQUENCY	5000 + movements per day
MANUAL OPERATION	Easy releasing system with 12 V DC battery
POSITION DETECTION	Proximity switch (Weather proof) optional

ELECTRICAL CHARACTERISTICS

ELECTRICAL MOTOR	220 VAC, 50-60 Hz, 550 W
CONTROL PANEL	Microprocessor controlled smart unit for simultaneous operations of grouped barriers

RESISTANCE CHARACTERISTICS

ENVIRONMENTAL CONDITIONS	-15 °C / +65 °C
PROTECTION CLASS	IP 67

EQUIPMENT AND ACCESSORIES

SAFETY EQUIPMENTS	Emergency Stop Button (standard), Safety Photocell, Loop detector (Optional)
OPTIONAL ACCESSORIES	Button control interface, Traffic lights, Flasher Lamp, Drain pump, RF Receiver, RF Transmitter, RF Antenna

CERTIFICATIONS AND WARRANTY

CERTIFICATIONS	ISO 9001:2015, ISO 14001:2015, OHSAS 18001, CE, TSE
WARRANTY	2 years