

TB-F 600 SERIES ELECTROMECHANICAL FENCE BARRIER



GENERAL INFORMATION

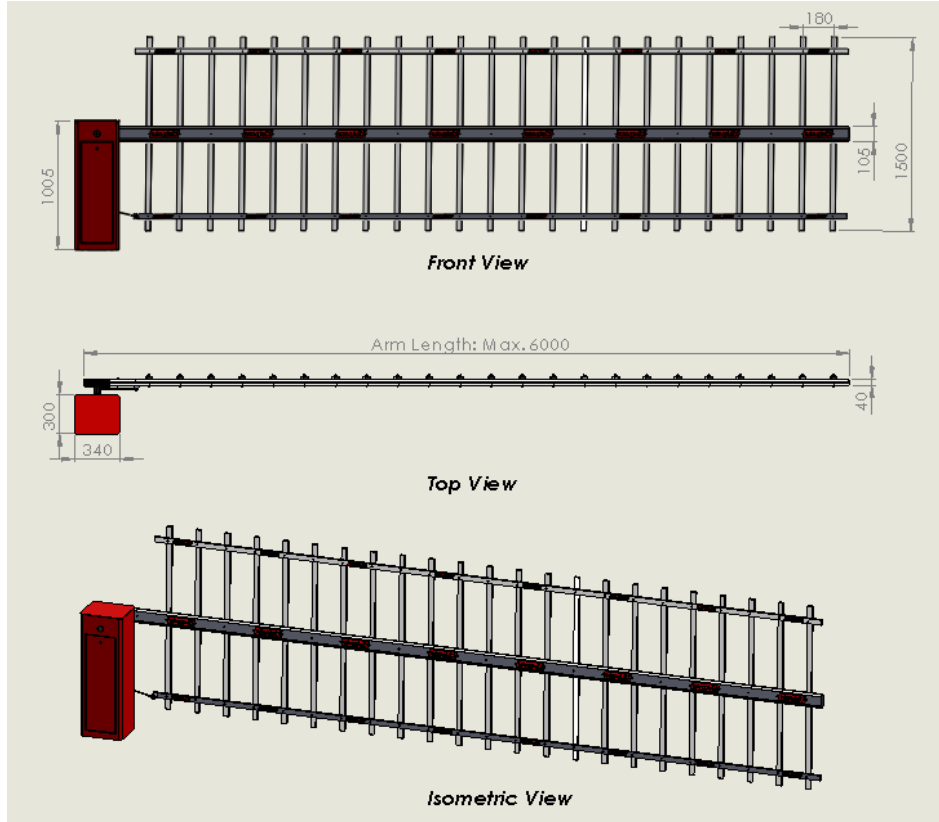
TB-F 600 fence barrier is designed for answering specific requirements and customer needs. With its special arm with the fences, the barrier is an ideal solution to prevent stray animals or intruders.

They have a variety of usage areas such as parking lots, airports, government offices, military compounds, industrial areas, business centers and many places that requires vehicle access controlling. Fence barriers are designed to fulfill the latest requirements of industry and harsh environmental conditions. Thanks to their strong mechanism and electric motor drives, barriers can handle being in use continuously and hottest environmental conditions. Although the drive unit is electromechanical, it is possible to raise and lower the barrier system manually in case of power failure. Arm barriers with fences can be integrated with other kinds of security access systems.

MAIN CHARACTERISTICS

- Special arm design with fences,
- 4-6 seconds operation time,
- 6.00 meters of maximum arm length,
- Thanks to its mechanical design, arm can be mounted in reverse direction,
- Easy to install, low maintenance cost,
- In case of power failure, manual opening and closing from the propeller located under the engine,,
- The system can handle more than 7500+ movements per day,
- Aesthetic and elegant design,
- Can be integrated with other access control systems,
- Robust structure can resist to harsh environmental conditions.

DIMENSIONS



PHYSICAL CHARACTERISTICS

CASE DIMENSIONS	340mm x 300mm x 1005mm (W x L x H)
BARRIER ARM	100 x 42 mm octagonal up to 6 meters length (standard), 23 x 17 mm horizontal and 40 x 20 mm vertical supports, aluminum alloy, warning reflective stripes on the color of white (RAL 9016)
MECHANISM	Drive unit consists of electric motor, double reducer (gearbox), mounting parts and there is a spring mechanism which helps rising-lowering movement of the arm. Manual rotating key in case of power outage. Arm can automatically rise up vertically with the pressure of spring. No possibility of self-lowering for the arm.
BARRIER CASE	Manufacture of 2 mm thickness of electrostatic painted DKP steel sheet plate barrier case, 304 grade stainless steel is optional, motor and gearbox holder is 10 mm electrostatic coated steel sheet, 10 mm galvanized slotted external mounting steel plate for robust and easy installation
TOP COVER	5 mm thickness of electrostatic painted DKP steel sheet plate (standard), 30 mm cast aluminum with LED stripe to enhance visibility (optional)
MECHANICAL ELEMENTS	Stainless steel, aluminum, galvanized coating, plastic materials are preferred for the mechanical elements of mechanism according to requirements

OPERATIONAL CHARACTERISTICS

OPERATION	Electromechanical
POWER (MOTOR)	220 VAC, 50-60 Hz, 1 Phase, 0,75 kW
RISING/LOWERING TIME	4-6 seconds at maximum 6 meters of arm length
OPERATION FREQUENCY	7500 + continuous movements with %100 duty cycle
SPEED/MOVEMENT CONTROL	Smooth operation with PLC inverter panel
POSITION CONTROL	Inductive limit switches (weather proof) with physical position adjustment for up and down positions
OBSTACLE DETECTION	Arm can detect obstacles in both direction and reverse operation instantly
AUTO CLOSE	Closing automatically in adjustable time

RESISTANCE CHARACTERISTICS

ENVIRONMENTAL CONDITIONS	-25 °C / +70 °C, %100 RH or less humidity (without condensation)
PROTECTION CLASS	IP 65

EQUIPMENT AND ACCESSORIES

MANUEL OPERATION SWITCH	When switch turns on, barrier arm is raised without triggering any alarm or any other commands. When switch is off, barrier arm is lowered and continues to its automatic operation. (Optional)
OPTIONAL ACCESSORIES	Button control, Loop Detector, Safety photocell, Traffic light, LED Top Cover, RF Receiver, RF Transmitter, RF Antenna

CERTIFICATIONS AND WARRANTY

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