

# TB-FLD 600

## ELECTROMECHANICAL FOLDING ARM BARRIER



### GENERAL INFORMATION

TB-FLD series electromechanical arm barriers are widely used in low ceiling areas, these barrier systems designed for indoor areas and ideal solutions in order to provide secure access or traffic control. These barrier systems 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 control.

TB-FLD series arm barriers are designed to fulfill the latest requirements of industry and suitable for high flow traffics, intensive usage and harsh environmental conditions, thanks to their powerful mechanisms and electric motor drives.

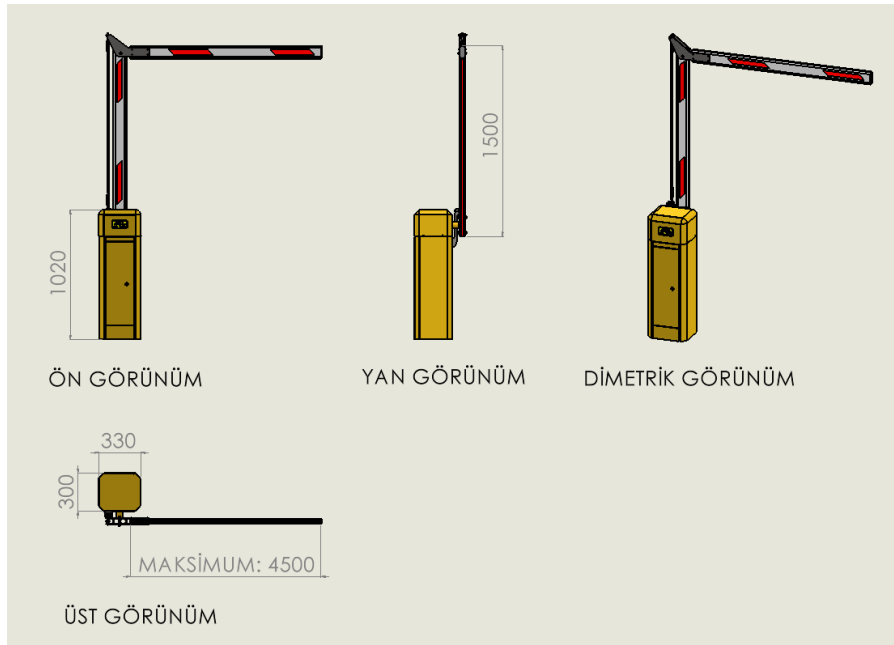
Although the drive unit is electromechanical, in case of a power failure, it is possible for barrier system to be lifted and lowered manually.

Arm barriers can be integrated with other kinds of security access systems like tyre killers, road bollards, different kinds of barriers etc.

### MAIN CHARACTERISTICS

- Adjustable operation speed modes in 3 - 6 seconds according to arm length,
- 6 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,
- Have an aesthetic and elegant design,
- Can be integrated with other access control systems,
- Robust structure can resist to harsh environmental conditions.

### DIMENSIONS



**PHYSICAL CHARACTERISTICS**

<b>CASE DIMENSIONS</b>	330 mm x 300 mm x 1020 mm (W x L x H)
<b>BARRIER ARM</b>	105 x 45 mm of octagon, 1500mm + 4500 mm, totally max arm length is 6000 mm, aluminum alloy, warning reflective stripes on the color of white (RAL 9016)
<b>MECHANISM</b>	Drive unit consists of electric motor, reducer (gearbox), mounting parts and there is a spring mechanism which helps rising-lowering movement of the arm.
<b>BARRIER CASE</b>	Manufacture of 1.5 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
<b>TOP COVER</b>	1.5 mm thickness of electrostatic painted DKP steel sheet plate (standard)
<b>MECHANICAL ELEMENTS</b>	Stainless steel, aluminum, galvanized coating, plastic materials are preferred for the mechanical elements of mechanism according to requirements

**OPERATIONAL CHARACTERISTICS**

<b>OPERATION</b>	Electromechanical
<b>POWER (MOTOR)</b>	220 VAC, 50-60 Hz, 1 Phase, 0,75 kW
<b>RISING/LOWERING TIME</b>	3 - 6 seconds
<b>OPERATION FREQUENCY</b>	7500+ continuous movements with %100 duty cycle
<b>SPEED/MOVEMENT CONTROL</b>	Smooth operation with microprocessor controlled electronics
<b>POSITION CONTROL</b>	Inductive limit switches (weather proof) with physical position adjustment for up and down positions
<b>AUTO CLOSE</b>	Closing automatically in adjustable time, after the passage of the vehicles

**RESISTANCE CHARACTERISTICS**

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

**EQUIPMENT AND ACCESSORIES**

<b>90° - 180° ARTICULATED ARM</b>	For the sites with height limitations, barrier arms can be configured to fold with the angles of 90° and 180° are optionally provided
<b>OPTIONAL ACCESSORIES</b>	Button control, Loop Detector, Safety photocell, Traffic light, LED Top Cover, RF Receiver, RF Transmitter, RF Antenna

**CERTIFICATIONS AND WARRANTY**

<b>CERTIFICATIONS</b>	ISO 9001:2015, ISO 14001:2015, OHSAS 18001, CE, TSE
<b>WARRANTY</b>	2 years