

FG



## GENERAL DESCRIPTION

Optima FG series folding gates are designed for high-security entrance points, military, embassy, commercial and industrial applications. The drive unit is hydraulic, but in case of power failure folding gate can be opened or closed manually with the help of a hand pump. With the help of controlled electronics, raise/lower function can be achieved by every kind of card reader, biometric readers like fingerprint or hand shape, radio control, on/off key switch, etc. Besides, safety accessories like photocells, inductive loop detectors, flashing lights or red/green lights can be integrated into the system.

## ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

Between -15°C and +65°C, 95% non-condensing humidity; 220-240 VAC, mono phase, 50-60Hz. (or 380V / three phase, 50-60 Hz, 220V/440V/etc. optional by transformer.

## STANDARD ACCESSORIES

- Flashing light.
- Galvanized steel rail.
- Safety photocell.
- Industrial type keyboard.

## SPECIFICATIONS

- ➔ Folding gate, hydraulic operated.
- ➔ Gate width: Single leaf 2-6 meter, double leaves 4-12 meter.
- ➔ Safety photocells are provided for safety.
- ➔ The frame is made of all-around welded rectangular steel sections, special folding hinges are bi-parting the gate leaf.
- ➔ Hinge posts are made rectangular steel sections. They are mounted to the concrete by anchoring structure.
- ➔ Cushioned pistons.
- ➔ Optima PLC controlled.
- ➔ Control keyboard with emergency stop.
- ➔ With the help of the frequency controller any type of speed control like a slow start, fast linear motion and slow stop can be achieved.

## OPTIONAL ACCESSORIES

- ➔ Red/green traffic lights with steel pole.
- ➔ Dual vehicle safety loop detector.
- ➔ Safety edge sensor.
- ➔ Stand and casing for safety photocell.
- ➔ Anti-climb wire mesh.
- ➔ Hot dip galvanizing.
- ➔ Radio receiver & antenna.
- ➔ Radio transmitter.
- ➔ "STOP" sign, aluminum plate with mounting pole.
- ➔ Uninterruptable power supply (UPS).
- ➔ SCADA or any control system: It is possible to change and check the position of gate with touch screen control panel, mobile devices (ios-android), computer, etc.

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## MAIN BODY MEASUREMENTS

