HAB-CR

GENERAL DESCRIPTION

Optima HAB-CR crash rated hydraulic arm barriers are designed especially for entrance points which have medium level of threat of vehicle attack or for the ones that have medium level security requirements. Optima HAB-CR hydraulic arm barriers are designed according to K4 standards.

CABINET

Electronic components are inside the IP 67 plastic box. Body front lid and top lid are manufactured from galvanized steel. They are RAL 2004 electrostatically powder coated and furnaced. Anchoring to the floor is achieved by a galvanized anchoring plate. There are air circulation openings on the front lid which is opened by a key.

ARM

The beam of the barrier is manufactured from epoxy heavy-duty steel, electrostatically painted white with red stripes. Arm supports are fabricated from box beams.

HYDRAULIC POWER UNIT AND CONTROL ELECTRONICS

Manual hand pump is standard in HAB series, therefore in case of power failure it is possible to raise and lower the barrier by manual hand pump. Hydraulic cylinder has cushions at both ends. Cooler fan or heater can be integrated inside the cabinet optionally. Optima barriers are controlled with the help of advanced microelectronics. Motor is driven by a frequency inverter and protected by a thermic breaker. Because of frequency inverter the arm can achieve smooth motion.

The low current voltage required by the system is supplied by a switch mode power supply.
A traffic light can be integrated the barrier to prevent accidents. The lights change state automatically depending on barrier position. Additionally, radio control receiver, transmitter and antenna, safety photocell, loop detectors, flashing lights, card reader etc. can be integrated to the system easily.

ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

Between -15°C and +65°C, 95% non-condensing humidity; 220 V, mono phase, 50-60 Hz (or 380 V, 50-60 Hz optional).

OPTIONAL ACCESSORIES

- Push button box.
- Red/green traffic lights with steel pole.
- Flashing light (flashes while the arm is in motion).
- LED light under the aluminum barrier arm.
- Safety photocell.
- Stand and casing for safety photocell.
- Dual vehicle safety loop detector.
- Radio receiver & antenna.
- Radio transmitter..
- Wrong way alarm.
- High speed alarm.
- Protection bar for barrier cabinet.
- Barrier skirt (aluminum).
- Stop sign in the middle of barrier arm.
- SCADA or any control system: It is possible to change and check the position of bollard with touch screen control panel, mobile devices (ios-android), computer, etc.

ARM WIDTH

HAB-CR series: From 3000 to 6000mm.

MAIN BODY MEASUREMENTS