



TECHNICAL FEATURES AND SPECIFICATIONS OF HOM AUTOMATIC BARRIERS

DRIVE MECHANISM	Electro- mechanical drive unit is operated by micro processor based Control panel. The drive unit consists of gears, shaft, crank, safety clutch and ball bearings etc. Which are encapsulated in weather-proof, oil filled chamber for maintenance free and long lasting performance? The operation of the Drive Unit is silent and maintenance free.
ELECTRICAL MOTOR	¼ HP reversible motor 24V DC, 900rpm, 40watt, maintenance free, reversible motor is designed for heavy duty operation. Dual speed and electronic braking provide optimum time for opening and closing with soft landing. Opening and closing time (2-10 sec.) can be adjusted at the site during installation depending on traffic frequency and boom length.
CONTROL PANEL	The electronic control panel controls the direction and speed of the boom movement it is capable of accepting optional safety devices such as beam sensor, magnetic card reader, loop detector etc. The control panel can be fixed in guardroom or inside the barrier box.
PUSH BUTTON	A piano type push button is provided inside the guardroom. The barrier is activated by touching the push button for a second. Thus keeping the guard free to pay more attention to security checks.
REMOTE CONTROL	the barrier can also be activated by remote control from a distance up to 100 ft. depending upon local environmental conditions. Remote Control is an inbuilt part of the barrier and is not charged extra.
OPTICAL SENSORS	Optical sensor (Photo beam sensor) if installed will forbid boom to come down as long as a car or a person is underneath the boom thus, extra safety is added to vehicle and boom itself (Optional).
BATTERY BACK-UP	In case of power failure, battery backup operation is available (Optional).

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- PROXIMITY CARD** for unmanned barrier and limited access car parking, proximity cards and reader of any make can be integrated to HOM barriers at any stage.
- AUTO-CLOSE MODE** If auto close mode is selected in control panel, the barrier will close automatically after a preset time (10 seconds).
- BOOM** the boom is made of non-corrosive anodized octagonal aluminum of 2mm thickness, 102mm (H) and 57mm (W). The boom length varies from 4 ft. to 30 ft. Octagonal boom profile for better visibility, strength and aesthetics.
- COUNTER BALANCE** Spring counter balance provided for up to 18 ft. boom barrier, M. S. Metal, rectangular shape counter balance for and above 19 ft Boom length.
- BOOM STAND** The boom rests on a stand of height 825mm made of 77mm dia pipe of 3mm thick mild steel.
- BODY** The body housing of the barrier is made of GI sheet of 18 gauge with dimensions: 395x283 mm x 1067 mm. The body is placed on a concrete platform with a specially designed M S angle platform bolted with the body. The weight of the entire barrier varies from 50 kg to 250 kg depending upon model.
- PAINT** The barrier body is powder coated in Red colour. White boom has reflective Red tape stripes and a STOP sign in Red at the center of boom.
- IN-PUT VOLTAGE** 200 – 250 V / 50 Hz.

MODEL NO.	WEIGHT APPROX.	INPUT VOLTAGE	BOOM LENGTH	ADJUSTABLE OPENING TIME
HB - 1000	60-80 kg	200-240	Up to 8 ft.	1.5- 4 Sec.
HB - 2000	90-150 kg	200-240	9-12 ft	4- 6 Sec.
HB - 2010	160-200kg	200-240	13-18 ft	4- 8 Sec
HB - 2020	200-250kg	200-240	19-24 ft.	6- 10 Sec

All dimensions and weight are approximate.
HOM's continuous development program may bring specification changes without prior notice.