

MHTM™ MicroDrive

Magnetic.Traffic H1

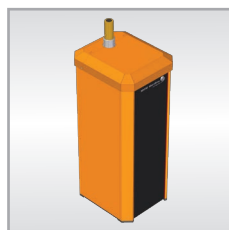
Do you need a reliable horizontal barrier to control the flow of vehicles and pedestrians? Would you like to shut crossroads alternately in longitudinal and lateral direction? Then, our model Magnetic.Traffic H1 is the perfect choice.

With the patented folding boom also cross roads can be secured where the aspect ratio between longitudinal and lateral direction is greater than 2:1.

The Magnetic.Traffic H1 models do not only stand for durability, reliability and quality, but they also offer unusual design, extremely low costs of operation and low maintenance technology.

In a nutshell: Magnetic.Traffic H1 barriers set new standards for horizontal barriers.

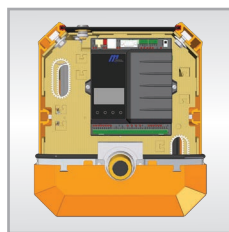
- » **For the control of all kinds of vehicle or pedestrian flow**
- » **Boom lengths up to 20 ft**
- » **Safe control unit compliant with EN 13849**
- » **High ease of use**
- » **only 45W power consumption (H1LE)**
- » **Opening and closing time as of 2s**



Design and quality

MHTM™ MicroDrive barriers impress with sophisticated and enduring design. The modularly designed housing made of extruded aluminium profiles and the inner frame with surface protection offers best protection against corrosion.

The MHTM™ product line is winner of the red dot award: product design 2012 and the German Design Award 2014.



Control unit

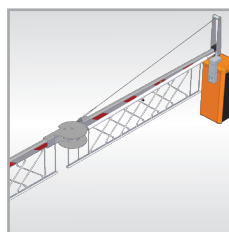
The control unit MGC Pro is compliant with EN 13849. It is located directly underneath the top cover and can be accessed from all sides. Configuring the barrier is easily accomplished via the LCD's intuitive user interface that can be navigated with just 4 push-buttons.



Drive unit

The drive unit of MHTM™ MicroDrive is not only astonishing because of its small dimensions. You also get a high torque with an extremely minimized power consumption. The high torque guarantees best operation even under severe weather conditions (heavy winds, snow, etc.).

The motor, motor control and gearing are all combined in one compact drive unit.



MicroBoom-H1 / -F1

MicroBoom-H1 barrier booms are straight booms designed especially for Magnetic.Traffic H1. The patented MicroBoom-F1 are horizontally folding booms.

Both barrier boom types can be equipped with a fixed boom skirt to protect the zone underneath the boom. The boom model F1 is not available for the barrier model H1SE.

Technical Data	H1LE with standard boom	H1LE with folding boom	H1SE
Lane width max.	20 ft	15 ft	12 ft
Opening / closing time	4.0 s		2.0 s
Power consumption max.	45 W		90 W
Duty cycle	100%		
Supply voltage	Wide voltage range 85 - 264 V AC		
Frequency	50 - 60 Hz		
Housing dimensions (WxDxH) without boom support assembly	12.2 x 14.2 x 37.0 in	-	12.2 x 14.2 x 37.0 in
Housing dimensions (WxDxH) with boom support assembly	12.2 x 14.2 x 53.4 in	14.8 x 14.2 x 53.4 in	-
Weight without boom	121.3 lbs		
Housing design	Powder-coated aluminum		
Base frame	Powder-coated stainless steel		
Protection class	IP 54		
Compliant with	CE, 2004/108/EG, 2006/42/EG		
Temperature range	-22 to +131 °F		

Features	H1LE with standard boom	H1le with folding boom	H1SE
Standard colors	RAL 2000 (orange)	RAL 2000 (orange)	RAL 2000 (orange)
Special painting	○	○	○
Barrier boom	MicroBoom-H1	MicroBoom-F1	MicroBoom-H1
Control unit	MGC Pro	MGC Pro	MGC Pro
integrated 2-channel loop detector	●	●	●
Control unit modularly extendable	●	●	●
Variable I/O assignment	-	●	●
Number of digital inputs	8	8	8
Number of relay/digital outputs	6/4	6/4	6/4
Safety light barrier input with test	●	●	●
Opening / closing times selectable	● / ●	● / ●	● / ●
Extended accessories (e.g. boom skirt)	○	○	○
Warranty	2 years	2 years	2 years

- Standard
- Optionally available
- Not available