Traffic H1
Horizontal barrier

For demanding security tasks
As horizontal barriers, the Traffic H1 is a specialist in vehicle and pedestrian management. It is not only used for blocking access to tunnels and lanes. It exploits its full potential when controlling junctions where traffic alternates in longitudinal and transverse directions. It is therefore not only the optimal solution for road traffic, but also for protecting material flows in production plants. With its patented folding boom, the Traffic H1 can therefore even block crossings where the ratio of lane widths in the longitudinal and transverse directions is greater than 2:1. At the heart of the Traffic H1 is the innovative MHTM™ drive, characterised by its energy efficiency, lack of maintenance, and long service life – the Traffic H1 is designed for 10 million opening and closing cycles.

Horizontal turning movements
As horizontal barriers, Traffic H1 can also be used in areas with limited heights. Swivel mode also allows alternate blocking of crossings in longitudinal and transverse directions.

Innovative drive technology
The MHTM™ drive unit operates without maintenance, energy-efficiently and quietly. Its high torque ensures best possible operation even under extreme weather conditions.

Legal security
Horizontal barriers from Magnetic have a conformity declaration in line with the Machinery Directive. So operators and installers are always on the safe side regarding liability issues.

Easy access to components
Two simple hand movements suffice: easy access to the control system and drive unit by removing the hood and front panel. This increases user-friendliness and speeds up commissioning and servicing.
Traffic H1
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- High functionality for numerous special applications
- Patented folding boom for safety at indoor crossings with differing lane widths
- Low power consumption for economical operation
- Optimum accessibility for particularly simple maintenance
- Form based on the prizewinning design of the Access barriers

<table>
<thead>
<tr>
<th>Technical Data</th>
<th>H1LE with standard boom</th>
<th>H1LE with folding boom</th>
<th>H1SE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrier width</td>
<td>max. 6.0 m</td>
<td>max. 4.5 m</td>
<td>max. 3.5 m</td>
</tr>
<tr>
<td>Opening/closing time</td>
<td>4.0 s</td>
<td>4.0 s</td>
<td>2.0 s</td>
</tr>
<tr>
<td>Power consumption</td>
<td>max. 45 W</td>
<td>max. 45 W</td>
<td>max. 90 W</td>
</tr>
<tr>
<td>Drive technology</td>
<td>MHTM™</td>
<td>MHTM™</td>
<td>MHTM™</td>
</tr>
<tr>
<td>Voltage</td>
<td>85–264 VAC, 50/60 Hz</td>
<td>85–264 VAC, 50/60 Hz</td>
<td>85–264 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>100 %</td>
<td>100 %</td>
<td>100 %</td>
</tr>
<tr>
<td>Housing dimensions (W x D x H)</td>
<td>315 x 360 x 940 mm</td>
<td>–</td>
<td>315 x 360 x 940 mm</td>
</tr>
<tr>
<td>with support</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Housing dimensions (W x D x H)</td>
<td>315 x 360 x 1355 mm</td>
<td>315 x 360 x 1355 mm</td>
<td></td>
</tr>
<tr>
<td>with support</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enclosure rating</td>
<td>IP 54</td>
<td>IP 54</td>
<td>IP 54</td>
</tr>
<tr>
<td>Temperature range</td>
<td>−30 to +55 °C</td>
<td>−30 to +55 °C</td>
<td>−30 to +55 °C</td>
</tr>
<tr>
<td>Weight (without boom)</td>
<td>55 kg</td>
<td>55 kg</td>
<td>55 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Features</th>
<th>H1LE with standard boom</th>
<th>H1LE with folding boom</th>
<th>H1SE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrier boom</td>
<td>MicroBoom-H1</td>
<td>MicroBoom-F1</td>
<td>MicroBoom-H1</td>
</tr>
<tr>
<td>Control system</td>
<td>MGC Pro</td>
<td>MGC Pro</td>
<td>MGC Pro</td>
</tr>
<tr>
<td>Integrated 2-channel detector</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>for induction loops</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modular expansion of control</td>
<td>Freely expandable</td>
<td>Freely expandable</td>
<td>Freely expandable</td>
</tr>
<tr>
<td>system</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Variable I/O assignment</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Number of digital inputs</td>
<td>8</td>
<td>8</td>
<td>8</td>
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<tr>
<td>Number of relay/digital outputs</td>
<td>6/4</td>
<td>6/4</td>
<td>6/4</td>
</tr>
<tr>
<td>Input for safety photoelectric</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>switch with test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selectable closing speed</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Selectable opening speed</td>
<td>Standard</td>
<td>Standard</td>
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</tbody>
</table>
### Options

<table>
<thead>
<tr>
<th></th>
<th>H1LE</th>
<th>H1SE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special colours</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Grating</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Folding boom</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Hood lights</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Key-operated switch</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Radio module</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Ethernet module</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>RS485 module</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>CAN module (counting)</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Electronic end-position locking</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

### Dimensional drawings

**H1SE and H1LE with standard boom, view from front and from above**

**H1LE with folding boom, view from front and from above**
Access to Progress

Magnetic stands for pioneering products – in every way. Our access control systems for vehicles or pedestrians clear the way for thousands of people every day – at car parks, toll gates, stations, airports and in buildings. Our technology is also pioneering, however: with innovative drives, intelligent control systems and well thought-out details it provides maximum safety and longevity. Are you also on the path to Magnetic?

Vehicle barriers
Access barriers
Parking barriers
Toll barriers
Special barriers

Pedestrian gates
Turnstiles
Swing gates
Tripod gates
Retractable gates
Wing gates

Terminals
Cars
Trucks

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