

Technical data

Designation	Unit	Traffic H1S	Traffic H1L
Barrier arm length	ft (m)	Up to 12 (approx. 3.5)	Up to 20 (approx. 6.0)
Barrier housing (width x depth x height)	in (mm)	→ See page 28, Fig. 6.	
Weight barrier housing	lbs (kg)	101 (46)	

Table 1: Dimensions and weight – "Traffic" series

4.1.1 Electrical connection

Designation	Unit	Traffic H1S	Traffic H1L
Supply voltage	V AC	85 to 264	
Frequency	Hz	50 / 60	
Nominal current consumption ¹⁾	A	1.0	0.5
Nominal power consumption ¹⁾	W	100	40
Duty cycle	%	100	

1) The values refer to a power supply of 120 V AC / 60 Hz and without accessories.

Table 2: Electrical connection – "Traffic" series

4.1.2 Operating conditions

Designation	Unit	Traffic H1S	Traffic H1L
Ambient temperature	°F (°C)	-22 to +131 (-30 to +55)	
Storage temperature	°F (°C)	-22 to +158 (-30 to +70)	
Relative humidity	%	max. 95 %, non-condensing	
Wind force	Bft (Beaufort)	max. 10	
Protection class barrier housing	—	IP 54	

Table 3: Operating conditions – "Traffic" series

4.1.3 Operating times

Designation	Unit	Traffic H1S	Traffic H1L
Opening time/ Closing time	s	1.8	4

Table 4: Operating times – "Traffic" series

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4.2 Control unit

Designation		Unit	MGC (MAGNETIC Gate Controller)
Supply voltage		V DC	24
Current consumption		—	max. 1 A, max. 300 mA + current consumption of the different plug-in modules
Power consumption		—	max 24 W, Max. 7.2 W + power consumption of the different plug-in modules
Control unit safety		—	1 A T
Output clamp X2	Output voltage	V DC	24
	Max. output current	mA	300
Digital inputs	Number	—	8
	Input voltage	V DC	24 ± 10 %
	Input current	—	< 10 mA per input
	Max. line length without overvoltage module ¹⁾	ft (m)	100 (30)
Digital outputs	Number	—	4 (open collector)
	Switching voltage	V DC	24 ± 10 %
	Max. switching current	mA	100
	Max. line length without overvoltage module ¹⁾	ft (m)	100 (30)
Output relay	Number	—	3 normally-open contact and 3 change-over contacts, isolated
	Max. switching voltage	V AC / DC	30
	Switching current	mA	10 mA to 1 A
	Max. line length without overvoltage module ¹⁾	ft (m)	100 (30)
Display		—	Graphics display, 128 x 65 Pixel
Language display		—	Selectable: German, English, French, Spanish, Italian, Portuguese, Swedish, Finnish, Norwegian, Danish, Estonian, Dutch
Number of slots for plug-in modules		—	5

1) For line lengths exceeding 30 m, overvoltage modules must be installed in front of the terminal clamps.

Table 5: Control unit

4.3 Plug-in module "Detector A–B"

Designation	Unit	Plug-in module "Detector A–B"
Current consumption	mA	50
Number of loop detectors	–	2 (A and B)
Inductance range	μH	70 to 500
Number of induction loop sensitivity levels	–	10 levels
Response sensitivity induction loop	%	Selectable: 0.01 to 2.0

Table 6: Plug-in module "Detector A–B"

4.4 Plug-in module "Radio"

Designation	Unit	Plug-in module "Radio"
Current consumption	mA	20
Frequency hand transmitter	MHz	433
HF-Modulation	–	FM/AM (depending on region)
Grant of equipment authorization (Certificate)	–	FCC Identifier: QV2-SMD-53200RX FCC 02-157 → See page 89, chapter 15.

Table 7: Plug-in module "Radio"