

Hybrid Security System (EM & RFID)



HG30/3 (Dual Aisle System)
HG30/2 (Single Aisle System)

Maximum Aislewidth

100 cm.

Dimensions

Gate Panel: 1600 x 750 x 30 mm
Base: V2A (Stainless Steel) 130 x 750 x 120 mm

RFID Control Unit: 316 x 180 x 200 mm
EM Control Unit: 320 x 180 x 160 mm

Specifications

Model Numbers

HG30/2	Single aisle
HG30/3	Dual aisle
HG30/2/Z	Single aisle with digital Customer counter
HG30/3/Z	Dual Aisle with digital Customer counter

Mechanical Data

Plexiglas antenna	160x75x3 cm
Mounting Base	13x75x12cm
Base Fixing	8 mounting bolts

Operation

Alarm display:	
Lighting duration	4,8 Seconds
Buzzer	3,8 kHz
Volume	adjustable
Tone duration	5,15 Seconds

Operational Surroundings

Surrounding temperature	0° bis 40° C
Humidity	.0 bis 90 RH (non-condensing))

Electrical Connections

Control Unit: RFID + EM	
Mains connection	220 VAC 50-60 Hz 24 Hour Constant power
Primary Fuse.....	2,5 A slow
Power consumption.....	0,7 Amp

Antenna Connections:	
Low voltage special combination cable maximum cable length	7,20 M

EM EM Operating Frequency	218 Hz
EM-max. Transmitter power	60 Watt
RFID Operating Frequency	13,56 MHz
RFID-max. Transmitter power	8 Watt

Regulations

Radio Approval	ETSI EN 300 330-1 ETSI EN 300 330-2
EMV	ETSI EN 301 489-1 ETSI EN 301 489-3
Safety	EN60950-1 / A11
Human Exposure	EN50371

Detection

RFID when using Transponders:
86x54mm or 55x55mm ca. 90%
CD/ DVD label d=36mm ca. 30-40%

EM when using:	
3M labels	ca. 80 – 85%
90mm – label	ca. 75 – 80%