



Diamond™
RFID Premium
RFID security
detection system

The Diamond™ RFID Premium system reduces unauthorized removal of library items by detecting the RFID tags in any orientation.



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With its modern transparent looks – high density plexiglas in combination with a solid stainless steel construction - the Diamond™ RFID Premium system gives an extremely luxurious appearance to any library environment.

The Diamond™ RFID Premium system reduces unauthorized removal of library items by detecting the RFID tags in any orientation.

Specifications

Detection:

Depending on environment and the type & size of tag

- Single aisle width System 2: up to 1.60 meter
- Dual aisle width System 3: up to 3.20 meter

* Detection of items depends on environmental factors and on the type and size of label. Detection range and rates will always be reduced for CD/DVD media that contains metallic elements. Libraries that wish to get as close to 100% detection, should accept less distance between gates.

Features

- Fully digital configuration (DSP)
- Visual and audio alarm
- Advanced radio frequent identification (RFID) technology
- Remote maintenance
- Magnetic media safe
- Multiple gate solutions are possible
- Bi-directional people counter with display

RFID specification:

- Operating frequency: 13,56 MHz.
- Transmitting power: 1 ~ 5 W.
- Supported tags: ISO 15693, ISO 18000-3 mode 1(NXP SLI, NXP SLIX, NXP SLIX2)

Certifications: CE / EMC

Interface:

CAN, Ethernet (TCP/IP) via the USB/Ethernet to CAN bridge tool (optional)

Dimensions:

Antenna: . . .600 x 20 x 1880 mm (b x d x h)

Base:705 x 120 x 20 mm (b x d x h)

Material:

Panel: High density clear PMMA 20mm plexiglass, weather and UV resistant, 92% light transmission

Base: Stainless steel

Weight: 32kg

Power: 100 ~ 240 V

