



**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.



# Diamond™ RFID Premium

## RFID security detection system

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: 3 W
- Supported tags: ISO 15693, NXP SLI and NXP SLI X

#### 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.

