

Internal LAN Proximity Readers

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PR110B Internal Prox Reader

- ▶ 40 bit transmission format – 125Khz, with up to 40mm read range
- ▶ Lock Output and Egress Input to simplify wiring
- ▶ Separate indicators show door and alarm status, with built-in sounder providing alarm warning
- ▶ Built-in front and rear tamper protection
- ▶ Anti replay and anti-substitution protection

The Internal LAN Proximity Readers feature the Bosch proprietary 40 bit transmission format and can be used to provide alarm and/or access control functionality when used on the Solution 144 control panel. Red, green and blue indicators are provided to show area and/or door lock status at all times. The built-in egress input and lock output can be used to simplify the wiring when controlling door access via the reader.

Functions

The Internal LAN Proximity Reader occupies a code pad position the panel configuration and connects via the RS485 encrypted panel LAN, which features anti-replay and device anti-substitution technology. All user access and alarm control events are stored in the panel's history log and can be reported if required. User credentials can easily be administered onsite using a display code pad or remotely using the SolutionLink upload/download software. The built-in sounder provides audible feedback for various system events including entry / exit warning and alarm conditions.

The reader's built-in tamper switch will trigger when the cover is removed or if the unit is removed from the wall.

Various options can be configured via panel programming including setting the volume of the built-in sounder, setting the indicator brightness, deactivating the tamper switch or egress input functions.

The table below shows the various meanings for the Red, Green and Blue indicators on the Internal LAN Proximity Reader:

LED	Condition	Meaning
Blue	On	Door Locked
Blue	Fast Flashing	Door Unlocked
Blue	Continuous Fast Flashing	Door manually unlocked or overridden
Blue	2 Flashes	Door automatically unlocked by schedule or time zone
Red	On	Area All On
	Flashing	Area Alarm

LED	Condition	Meaning
Green	On	Area is OFF
	Flashing	Area not ready to turn on – zone(s) unsealed
Red & Green	Both On	Area armed in Part mode and all zones sealed
Red & Green	Red On and Green Flashing	Area armed in Part mode with zones unsealed

Certifications and approvals

C-tick Supplier Code:	N12138
CE:	EN 55022:2010, EN 60950-1:2001
Telepermit:	PTC 211/12/017

Technical specifications

Format:	40bit proprietary, 125Khz
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Power Requirements

Operating Voltage:	10.0V DC – 14.5V DC @ 100mA
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Connections

Lock Output:	Protected open collector transistor – 500mA
Egress Input:	Low to trigger. Can be disabled via software control

Environmental Considerations:

Temperature:	-30° to 55°C Operating
Humidity:	5% to 85% at 30°C non-condensing

Enclosure

Dimensions:	74(W) x 23(D) x 116(H)mm
Warranty:	3 years

Ordering information

PR109B Internal LAN Proximity Reader - Black

Order number **PR109B**

PR110B Internal LAN Proximity Reader - White

Order number **PR110B**

Accessories

PR200 Prox Token - Grey

Order number **PR200**

PR250 Prox Iso Card

Order number **PR250**

PR260 Prox Clam-Shell Card

Order number **PR260**

PR201B Prox Token - Black Key

Order number **PR201B**

PR265 Adhesive Proximity Tag 20mm

Order number **PR265**

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