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INSPIRED ACCESS

GR7.x3xx
Multifunctional access control reader

FACTS AT A GLANCE

- Modern design in wide or slim-line housings

- Identification possible via contactless ID, fingerprint or PIN

- Multi-technology reader for all common RFID technologies

- Multitag handling for the simplest possible capture of ID cards

- All models suitable for outdoor operation (IP67 or IP65)

- Connection via structured building cabling

- Plug&Play PLUS function for simple commissioning

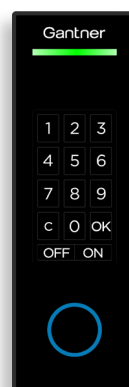- Clear signaling via LED bar, acoustic signal and illuminated reading field

Designed with the Gantner look and feel, readers of the GR7 series impress with their innovative design and effortless operation. When installed near entrances and exits, the readers control access once the user's identification has been verified using their contactless ID, fingerprint, or PIN.

The evaluation and approval of access authorizations is managed by the connected controller, which is installed in a secure area. The readers connect to the access controller via structured building cabling, and the "Plug&Play PLUS" function ensures instant recognition.
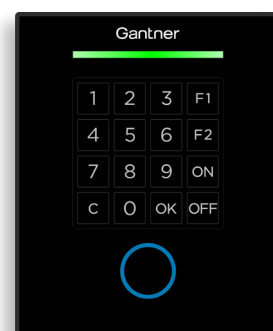
The multi-technology reader reads and writes all popular RFID technologies (LEGIC and MIFARE) and can read the unique numbers of many other identification technologies and RFID standards (e.g., ISO 14443 A and B, ISO 15693, NFC, and HID iClass).

Operation for the user is supported by an intuitive and clear interface with a multi-colored, backlit reading center and clear LED bar display. The IP67 protection rating for all models is truly impressive, enabling completely unprotected outdoor operation in addition to indoor operation.

GR7.1310

GR7.2310

Available in a slim-line housing, the GR7.13xx readers are specifically suited for mounting on metal frame doors due to their slim design. The wide-body GR7.23xx readers provide installation flexibility with surface mounting and flush mounting possible. For applications that require the added security of fingerprint identification, the GR7b.23xx is available.

The numeric keypad of variants with this feature allow a time- and user-dependent PIN code to be configured for access in addition to the user ID with additional keys provided for arming and disarming an alarm system.

The "Plug&Play PLUS" function deserves special mention and ensures that installation and commissioning are effortless like never before — not least because the readers are connected via conventional structured cabling systems. This means an enormous cost reduction — and indeed even before the system is actually in use.
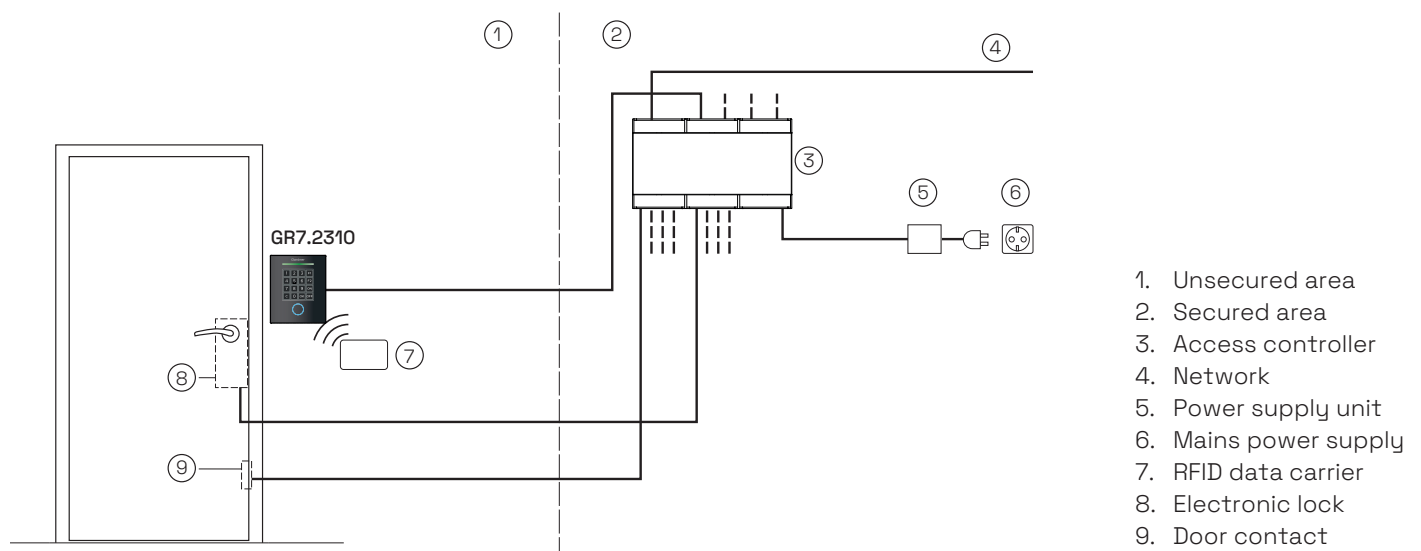
GR7.2300

GR7b.2310

Order information

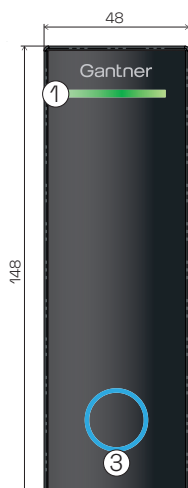| Description	Part No.
GR7.1300 13.56 MHz multi-technology RFID reader, slim-line housing for wall or door-frame mounting, RS-485 interface, IP67 protection class	1105583
GR7.1310 13.56 MHz multi-technology RFID reader, slim-line housing for wall or door-frame mounting, keypad, RS-485 interface, IP67 protection class	1105584
GR7.2300 13.56 MHz multi-technology RFID reader, wall mounted, RS-485 + wireless interface, IP67 protection class	1105588
GR7.2310 13.56 MHz multi-technology RFID reader, wall mounted, keypad, RS-485 + wireless interface, IP67 protection class	1105590
GR7b.2300 13.56 MHz multi-technology RFID reader with fingerprint reader for verification or identification of up to 500 people, wall mounted, RS-485 + wireless interface, IP67 protection class	1105601
GR7b.2310 13.56 MHz multi-technology RFID reader with fingerprint reader for verification or identification of up to 500 people, wall mounted, keypad, RS-485 + wireless interface, IP67 protection class	1105602
GR7m.1200 Surface-mount frame for mounting GR7.1xxx readers with surface-mount cabling	1107051
GR7m.2200 Surface-mount frame for mounting GR7.2xxx readers with surface-mount cabling	1107052
GR7m.2000 Installation box for flush mounting the GR7.23x0 readers, not suitable for the GR7.13x0 and GR7b.23x0 readers	1105603

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Technical data

Nominal voltage:	DC 12 - 24 V (LPS/SELV)
Current consumption:	200 mA 300 mA (GR7b.23xx)
Reader type:	Multi-technology RFID reader
Reading field frequency:	13.56 MHz
Data carriers - Read/write: - Only unique number:	 LEGIC prime / LEGIC advant / MIFARE HID iClass / ISO 14443B / ISO 15693
User guidance - Reader: - Bar display: - Acoustic signal:	 Backlit scan field in 3 colors 4 x LED segments in 3 colors Beeper
Keypad - GR7.1310: - GR7.2310 / GR7b.2310:	 Numeric 10-key pad with 2 function keys Numeric 10-key pad with 4 function keys and backlight
Output (GR7.23xx / GR7b.23xx only):	1 x relay (NO, function/timing configurable)
Input (GR7.23xx / GR7b.23xx only):	1 x potential-free optocoupler input (function configurable)
Interface - GR7.13xx: - GR7.23xx / GR7b.23xx:	 RS-485 RS-485, wireless interface
Permitted ambient temperature:	-20 to +50 °C
Protection type - GR7.1xxx / GR7.2xxx: - GR7b.2xxx:	 IP67 IP65
Environment class (VdS 2110):	IV (outdoor conditions, exposed to weather)
Compliance:	CE, UKCA, FCC, IC and ETL

Typical application

GR7.2310

1. Unsecured area
2. Secured area
3. Access controller
4. Network
5. Power supply unit
6. Mains power supply
7. RFID data carrier
8. Electronic lock
9. Door contact

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Device features and dimensions

GR7.1300

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① Gantner

③

GR7.1310

48

148

① Gantner

②
1	2	3
4	5	6
7	8	9
C	0	OK
OFF	ON

③

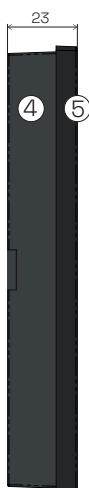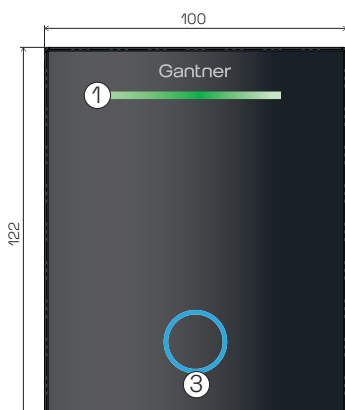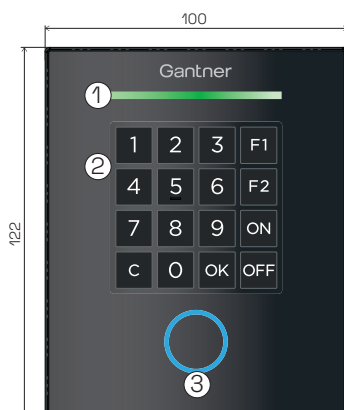### GR7.13x0

23

④ ⑤

1. LED status bar
2. Keypad
3. Illuminated scan field
4. Device rear part
5. Device front part
6. Fingerprint reading unit
7. Fingerprint reader

Measurements in mm

GR7.2300

100

122

① Gantner

③

GR7.2310

100

122

① Gantner

②
1	2	3	F1
4	5	6	F2
7	8	9	ON
C	0	OK	OFF

③

GR7.23x0

23

④ ⑤

GR7b.2300

100

122

① Gantner

③

⑦

GR7b.2310

100

122

① Gantner

②
1	2	3	F1
4	5	6	F2
7	8	9	ON
C	0	OK	OFF

③

⑦

GR7b.23x0

23

④ ⑤

⑥

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