

GAT Return 6350 Return Automat

Application

The GAT Return 6350 meets the requirements of a robust and extremely efficient return automat for wristband-type RFID data carriers. The GAT Return 6350 is mainly used in leisure facilities, where visitors can return their data carriers by inserting them into the GAT Return 6350 when leaving the facility. The GAT Return 6350 can either be operated as a standalone device or integrated with a turnstile.



Function description

The GAT Return 6350 is equipped with two antennas, which accurately identify the inserted RFID data carriers. The data stored on the data carrier is sent to the host computer on demand for evaluation.

At the heart of the GAT Return 6350 is a robust mechanism, which processes the inserted data carriers very efficiently. The graphical display and integrated traffic-light LEDs clearly and conveniently guide the user through the process.

In instances where the user is not required to return their data carrier (e.g., for season ticket holders), an additional antenna behind the front plate identifies and processes these requests. The turnstile is released once the data carrier information is checked by the server software and a permission to proceed command returned.

Highlights

- Easy, automated return of data carriers (e.g., wristbands)
- Contactless reading of RFID data carriers (LEGIC, MIFARE® and ISO 15693) on return
- Convenient user guidance
- Information display via LC display
- Traffic light signaling
- Enhanced collection box capacity for data carriers
- Stainless-steel housing
- Able to be installed next to a turnstile

Order information

Description	Part No.
GAT Return 6350 B V3 Return automat for collecting LEGIC data carriers	986839
GAT Return 6350 F V3 Return automat for collecting MIFARE® data carriers	986738
GAT Return 6350 ISO V3 Return automat for collecting ISO 15693 data carriers	986940

Accessories

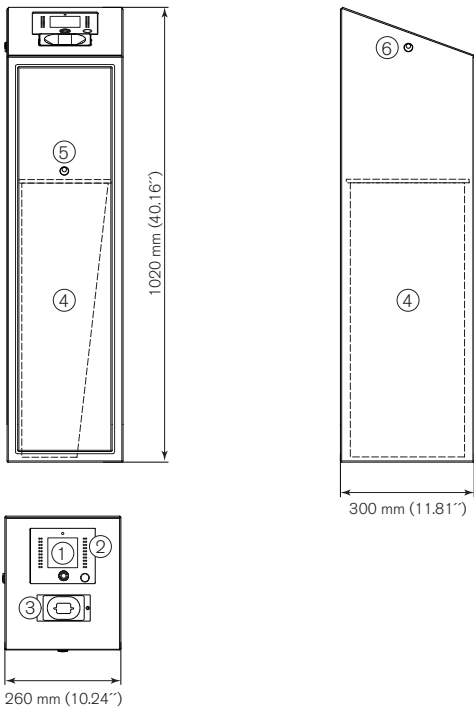
Description	Part No.
Manual GAT Return 6350 Operating and configuration instructions	988189

Technical data

Nominal voltage:	115/230 VAC
Permitted input voltage:	100 to 240 VAC
Frequency:	50/60 Hz
Current consumption:	Typ. 0.5 A at 230 VAC
Data carriers:	GAT Chip Band 65 or wristband as specified by GANTNER
Reader types:	for LEGIC, ISO 15693, MIFARE®
Frequency of RFID field:	13.56 MHz
Host interface:	Ethernet 10/100 Mbit/s and RS-485
Software integration:	GAT DIRECT.Connect
Signal inputs:	3 x optocouplers (configurable) - Input voltage: 0 to 30 VDC U _{Low} < 2 VDC, U _{High} > 6 VDC - Input current: 4.5 mA
Signal outputs:	3 x relays (configurable NO/NC) - Switching voltage: max. 30 VAC/DC - Continuous current: max. 2 A - Switching power: max. 60 VA

Installation method:	- Floor mounting - Attachment to GAT TPB KE01 turnstile (KABA Kerberos turnstile)
Cable inlet:	Via base
Mounting instructions:	Screwing housing tension-free onto FFB
Housing material:	Stainless steel
Dimensions:	260 x 300 x 1020 mm (10.24 x 11.81 x 40.16")
Permitted ambient temperature:	0 °C to +40 °C +32 °F to +104 °F
Protection type:	IP 10
Protection class:	I
EMV immunity:	EN 50082-2: industry
Environment class based on VdS 2110:	II (conditions in indoor areas)

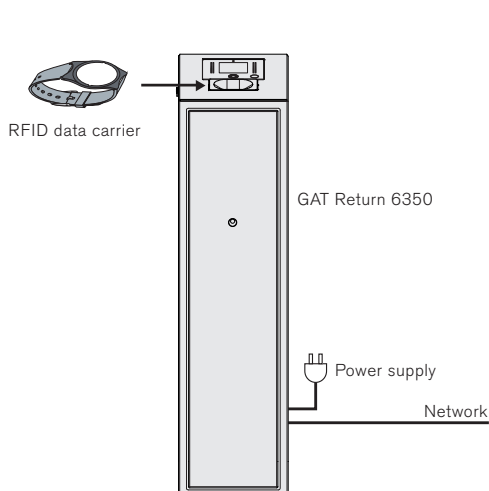
Dimensions



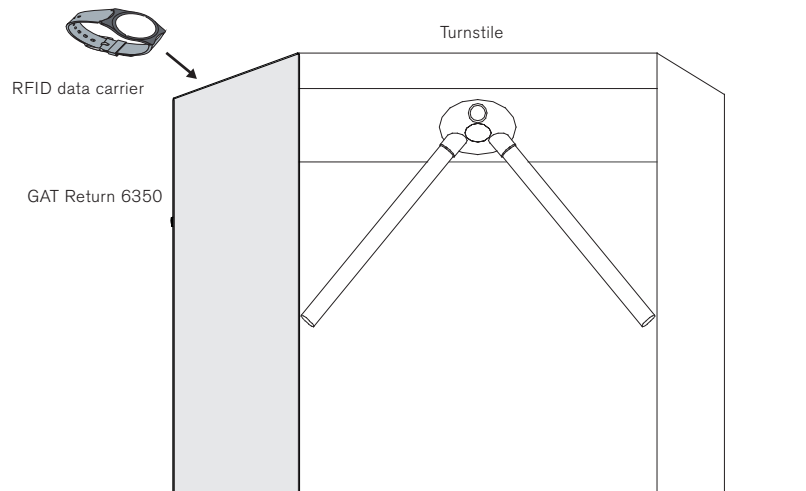
1. Display
2. Traffic-light LEDs
3. Insertion slot for data carriers
4. Collection box for data carriers (inside)
5. Mechanical lock for collection box
6. Mechanical lock for control unit

Typical application

Standalone



Turnstile integration

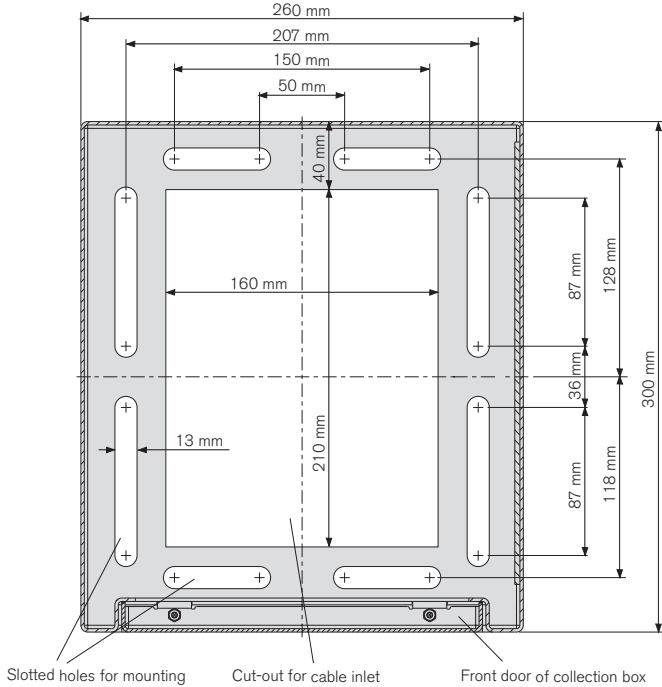


Installation instructions

The GAT Return 6350 can be installed as a standalone device or integrated with a turnstile access point.

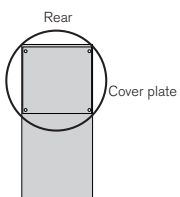
Standalone installation

Slotted holes are available in the base of the GAT Return 6350 housing to attach the device to the floor. The connection cables are inserted into the housing through the rectangular cut-out in the base.

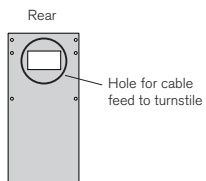


Instructions:

1. Leave excess cabling to assist installation/maintenance.
2. Connect earth cable (see page 4).
3. When mounting at turnstile: Remove the cover plate at the rear of the GAT Return 6350.



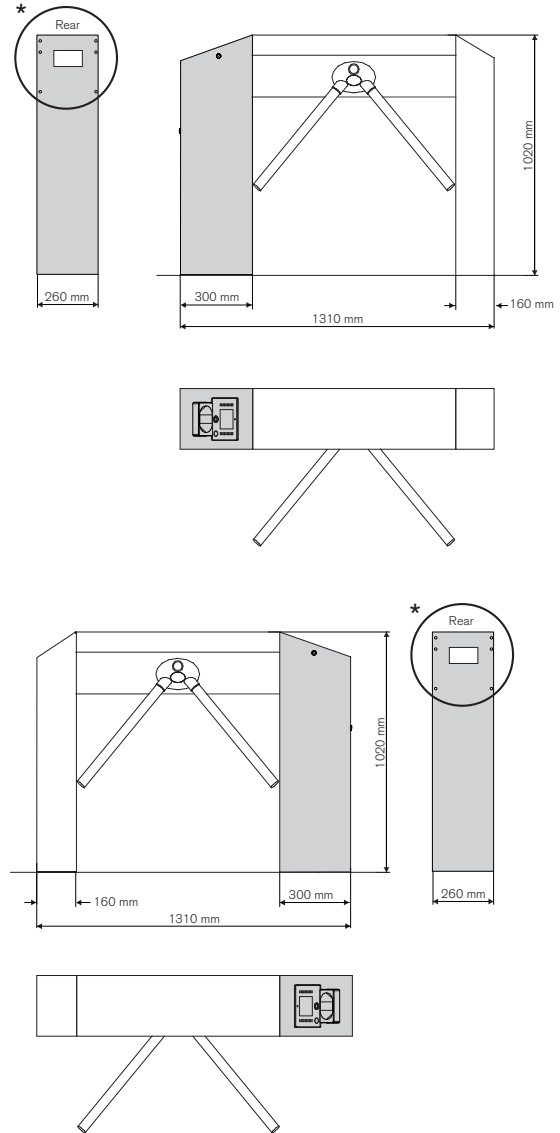
4. When mounting at turnstile: Feed the cable to the turnstile and attach GAT Return 6350 to turnstile with the fastening screws.



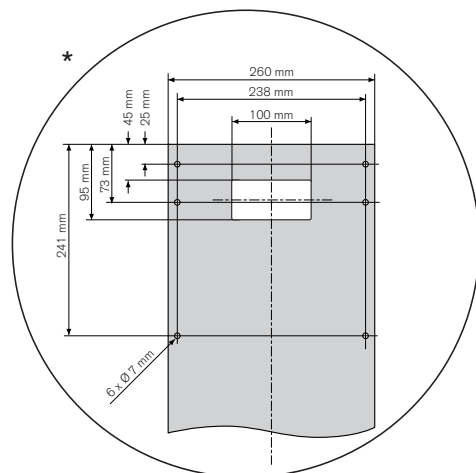
5. Attachment to the ground is via the slotted holes in base of housing. Screws must be selected according to floor type/material.
6. Put the collector box in place.
7. Hinge the housing front into place and lock it with the mechanical lock.
8. Once installation is complete, the protective film on the display can be removed.

Installation with GAT TPB K E01 (KABA Kerberos) turnstile

The GAT Return 6350 can be mounted to this particular turnstile on the left or right side. The turnstile has corresponding holes at the rear to allow installation. These are located below the cover plate, which must first be removed.

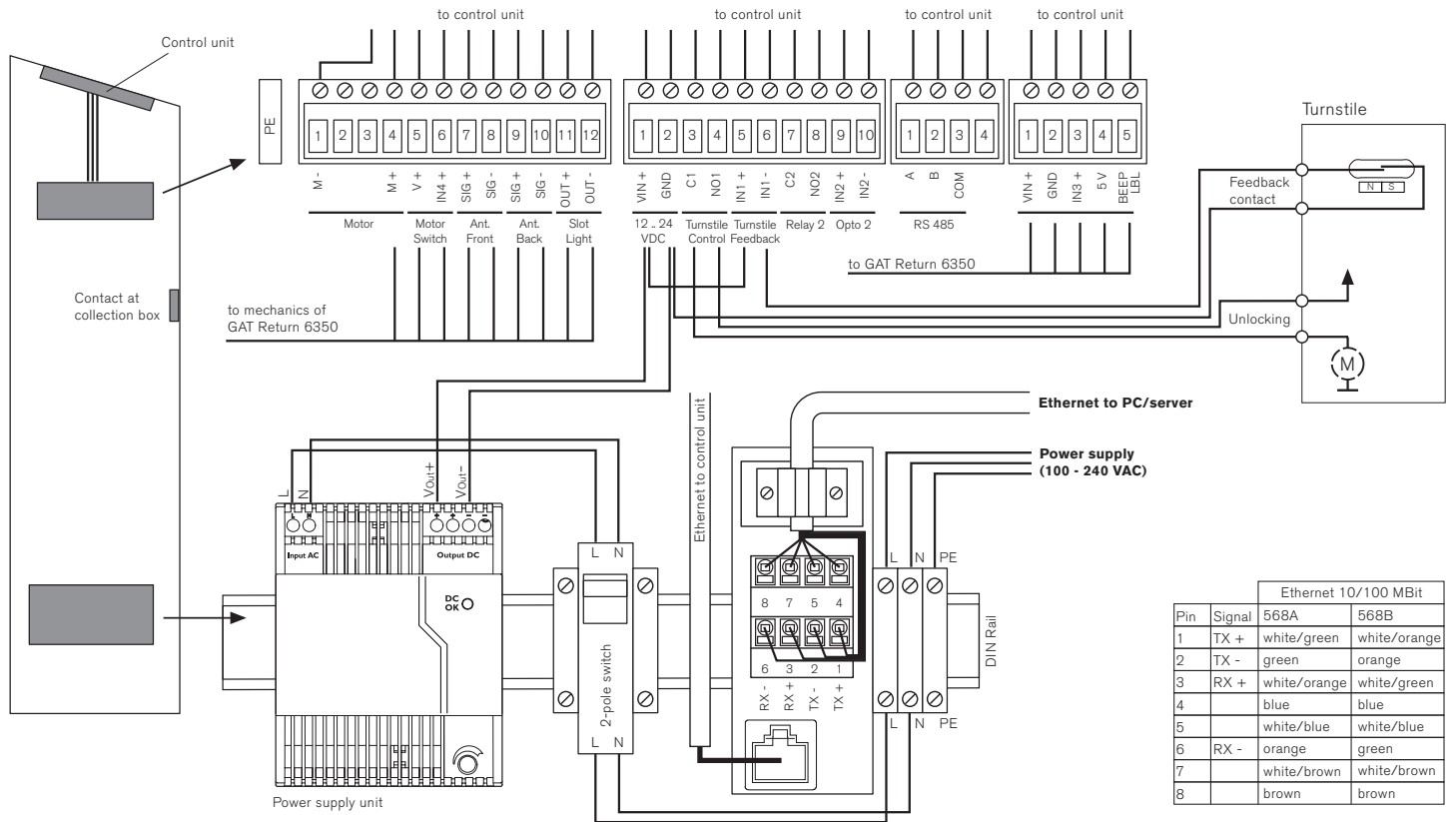


Measurements of drilled holes at rear:



Electrical connections

TCP/IP connection



Network

Ethernet or RS-485 bus connection.

- Ethernet is connected at the insulation displacement terminations at the bottom of the housing.
- RS-485 is connected to the screw terminals A and B at the control unit. When using the RS-485 bus connection, only connect the signal lines A and B. Do not use the COM terminal.

Attention: The two interfaces must not be operated at the same time!

Mains power supply

Connection to mains power (see technical data).

Attention: The earth wire must be connected.

Power supply unit

Earth wire grounded via DIN rail. If the "DC OK" LED lights up, the DC output voltage is > 21.5 V (which means output voltage and current are OK).

Connection to turnstile GAT Turnstile TPB E01

The control lines to a turnstile are connected to the "Turnstile Control" (unlocking) and "Turnstile Feedback" (status feedback) terminals. The output "Turnstile Control" is a relay output of type maker contact (NO). The input "Turnstile Feedback" is a potential-free optocoupler input for status acquisition. A supply voltage must be applied. This voltage can be taken from the control unit's supply (VIN+ and GND) or from an external power source. Please observe the maximum permitted input voltages and currents (see technical data). The turnstile must be supplied with power in accordance with the documentation of the turnstile.

Recommended cables

Ethernet: min. CAT 5 (STP) for 100 MBit
RS-485: min. CAT 5 (STP)

Relay outputs at control unit

To activate additional devices, two relay outputs are available directly on the control unit. Connection at terminals "C" and either "NO" (maker contact) or "NC" (breaker contact). Please observe the maximum permitted switching voltages and currents (see technical data).

Optocoupler inputs at control unit

To acquire status information from additional devices, two optocoupler inputs are available directly on the control unit. A supply voltage must be applied to activate the inputs. Please observe the maximum permitted input voltages and currents (see technical data).

Safety instructions

- This device must be installed by qualified personnel only.
- The applicable safety and accident prevention regulations must be observed.
- Safety devices must not be removed.
- Please observe the technical data of the device specified on the data sheet.
- The device must be disconnected from the power supply prior to installation, assembly or dismantling.