

GAT Reader 550 AA

Reading Station for Active Data Carriers

FACTS AT A GLANCE

- Reading station for the GAT Active Tag 55x active data carriers
- Radio transmission range of up to 15 m
- Each GAT Reader 550 AA can control up to 4 doors / barriers / gates via RF
- Easy integration into the GANTNER access control hardware (GAT DC 7200, GAT SR 7000 Wiegand)
- Pool management supported (additional software required)
- Ideal solution for forklifts, cars, and much more



The GAT Reader 550 AA is suitable for GANTNER access control systems and is used as a reading station for GAT Active Tag 55x active data carriers. These data carriers serve as personal identification for users who want to gain access to an area controlled by the GANTNER access system.

Communication between the GAT Active Tag data carriers and the GAT Reader 550 AA is via RF transmission over a range of up to 15 m (the transmission range varies depending on the installation location and antenna).

The GAT Reader 550 AA receives the signals from the data carriers via the antenna connected to it, decodes them and forwards the information (code) as a digital signal via a serial interface to the connected controller. The controller carries out an authorization check and if the user has valid authorization, controls the unlocking of the door, gate, or barrier, etc., accordingly.

The interface of the GAT Reader 550 AA can be disabled or enabled by means of a switch (induction loop) via the digital input provided for this purpose.

GAT Reader 550 AA



GAT Active Tag 552



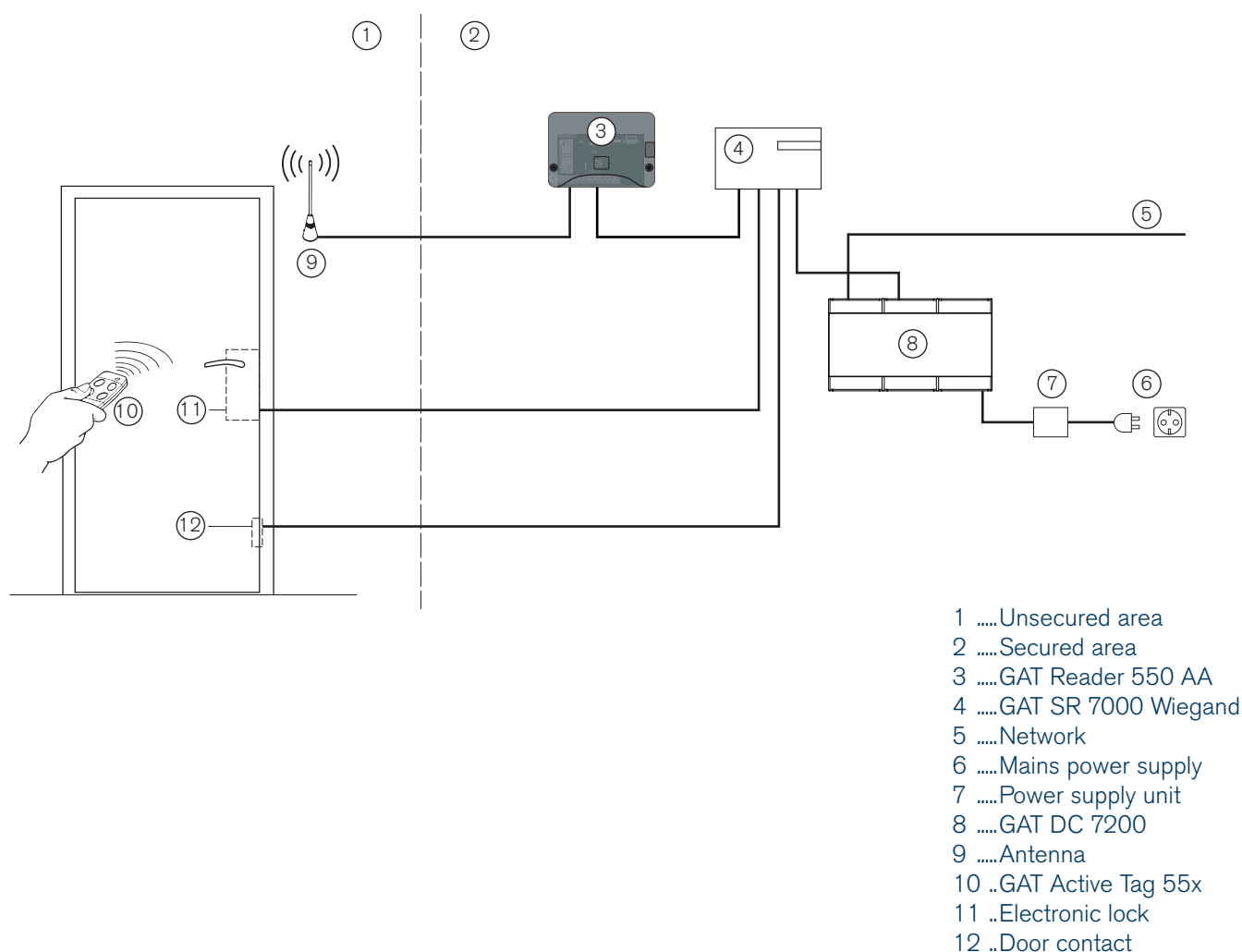
GAT Active Tag 554



Order Information & Accessories

Description	Part No.
GAT Reader 550 AA Reading station for GAT Active Tag 55x data carriers.	304979
Antenne Reader 550 AA Antenna for the GAT Reader 550 AA, with magnetic base and RG 147 connection cable.	630413
GAT Active Tag 552 Data carrier with two buttons.	304777
GAT Active Tag 554 Data carrier with four buttons.	304878
Batterie 3V Lithium CR2032 1 x CR 2032 battery for GAT Active Tag 55x data carriers. NOTE: 2 batteries are required!	410914

Typical Application



Technical Data

Nominal voltage:	12 / 24 VAC/DC
Current consumption:	45 mA
Transmission frequency:	433.92 MHz
Maximum range:	10 - 15 m* in open space
	* The transmission range varies depending on the installation and antenna.
Impedance antenna input:	50 Ω
Output	
- Type:	Vdd = 5 V, Vdd = 12 V, TTL Open Collector
- Voltage level:	High: 0.85 x Vdd, Low: 0.4 VDC
- Current:	High: at Vdd = 5 V max. 1.2 mA, at Vdd = 12 V max. 2.9 mA Low: max. 15 mA
Input	
- Type:	Optocoupler
- Function:	To activate/deactivate the GAT Reader 550 AA
Housing material:	Impact-resistant plastic
Permitted ambient temperature:	-20 to +75 °C
Protection type:	IP 20
Protection class:	III
Environment class (VdS 21 10):	II (indoor conditions)
Compliance:	CE

Device Features and Dimensions

