

GAT DL 091

WiNET Access Point

FACTS AT A GLANCE

- **Communication with up to 16 doors with WiNET components**
- **Typical signal range of 10 to 40 m**
- **Operation up to 200 m away from connected controller**
- **Communication and power supplied via structured cabling**
- **RSSI analysis for determining the quality of the wireless network**



The GAT DL 091 WiNET Access Point connects GANTNER's range of battery-powered door cylinders and fittings to an access controller such as the GAT DC 7200. Up to four GAT DL 091 Access Points can be connected to the GAT DC 7200 controller via an RS-485 interface. The intelligent Plug&Play function then ensures that configuration is performed autonomously in seconds. A faster and more convenient system simply does not exist.

The WiNET network is designed around an energy-efficient wireless protocol that operates over an international frequency to ensure maximum security standards. The RS-485 connection between the access point and controller allows the GAT DL 091 to operate up to 200 m away from the controller thereby providing optimal wireless networking.

All WiNET cylinders or WiNET fittings that are within range of a GAT DL 091 access point are automatically reported to the controller and subsequently available for Plug&Play configuration.

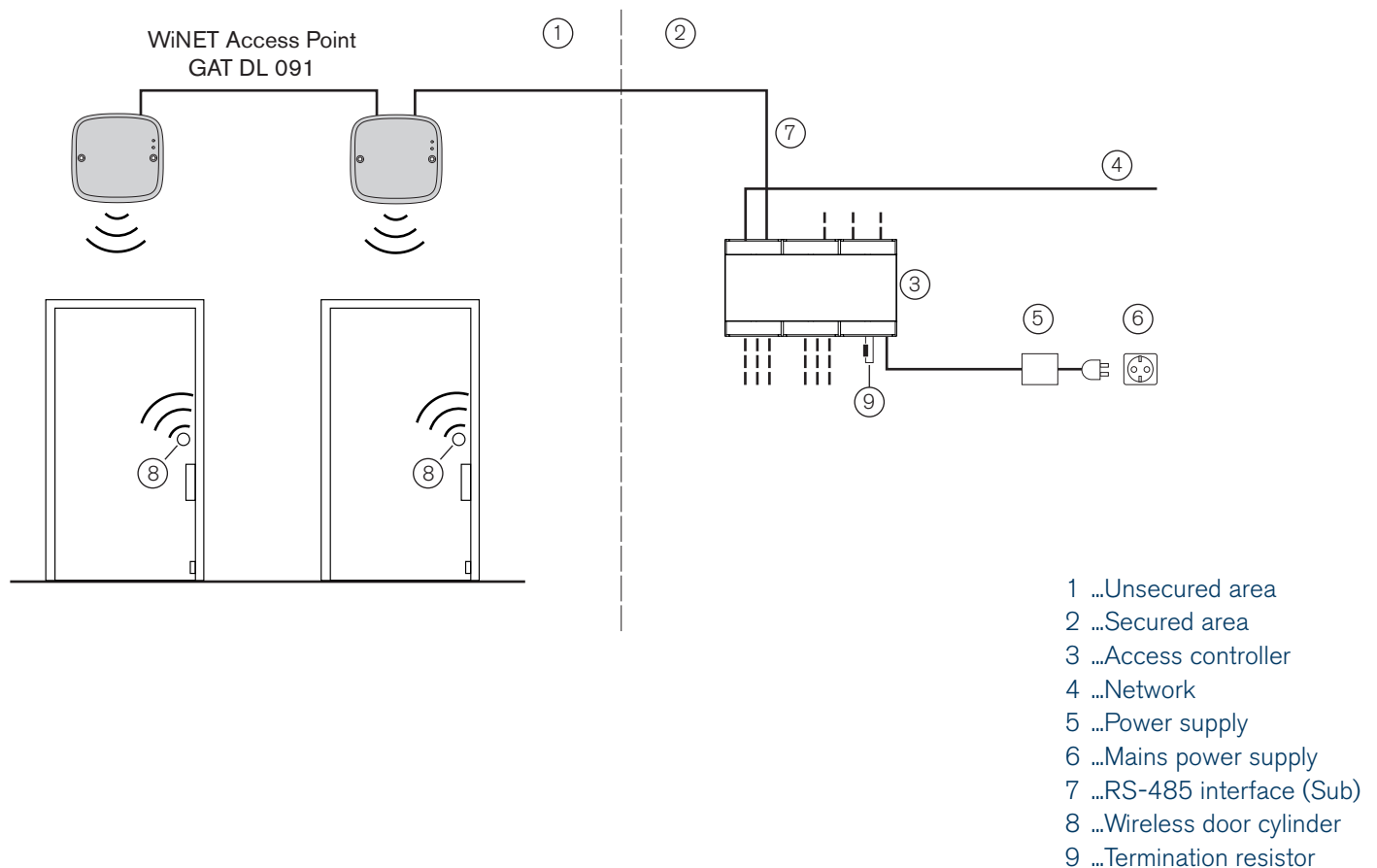


After the cylinders and fittings are assigned to the doors, communication between the WiNET components and the WiNET access point is carried out in both directions. Inquiries from cylinders and fittings, or information such as battery warnings, are sent to the controller. Release commands and configuration data for the cylinders and fittings, or the current time, are transmitted to the battery-powered components.

When multiple WiNET access points are connected to a controller, communication is automatically established via the strongest signal for each cylinder or fitting. Should an error occur in the wireless network, e.g., if a cylinder cannot be contacted, the controller is informed by the access point so that an error message to the administrator can be generated.



Typical Application

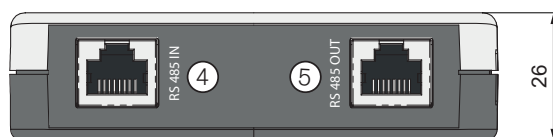


Technical Data

Nominal voltage:	DC 12/24 V (LPS/SELV)
Max. power consumption:	4 W
Data storage:	EEPROM storage for configuration data, min. 10 years data preservation
Signal frequency:	868 MHz
Signal range:	Approx. 10 to 40 m*
	*Smaller or larger distances are also possible depending on ambient conditions
Interface:	Serial RS-485
Cable length to controller:	Max. 200 m
Connection:	RJ45 socket for power and communication
Housing material:	Plastic
Perm. ambient temperature:	0 °C to +50 °C
Relative humidity:	20% to 80% (non-condensed)
Protection type:	IP 32
Protection class:	III
Environment class (VdS 2110):	II (indoor conditions)
Compliance:	CE

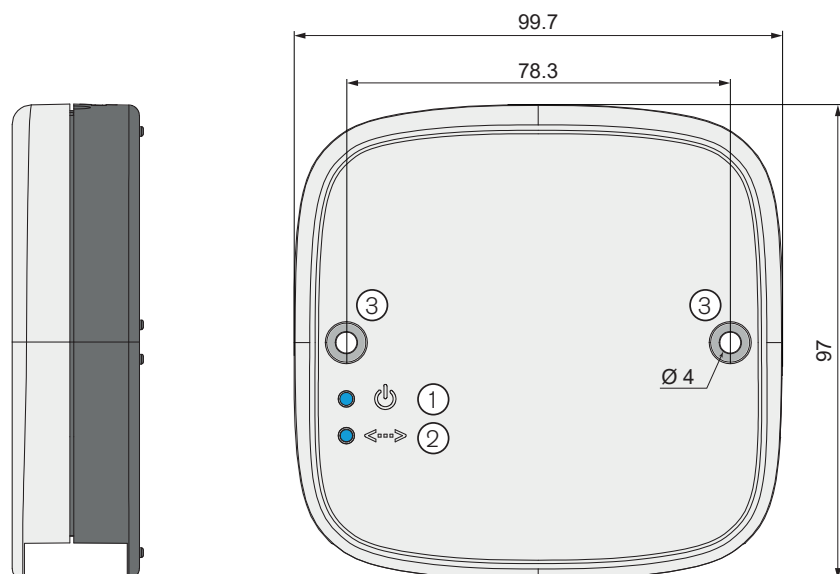
Device Features and Dimensions

Top view



Side view

Front view



- 1 ..Status indicator (power)
- 2 ..Status indicator (communication)
- 3 ..Mounting holes Ø 4 mm
- 4 ..RS-485 interface (input)
- 5 ..RS-485 interface (output)

Measurements in mm