

9851/5.-... Art. No. 285180



- Use of standard wireless devices in Zone 2
- Use of devices with internal antennas possible
- Simplified installation and maintenance thanks to separate connection chamber
- There is no need to regularly check the leak-tightness of the Ex nR enclosure section
- Low weight

MY R. STAHL 9851A



The wireless enclosure system 9851 enables the use of standard wireless devices such as the Wi-Fi access point, gateways with mobile communications, LoRaWAN, Bluetooth or RFID readers in Zone 2 that do not have approval for operation in hazardous areas. Compared to solutions based on Ex d enclosures made of metal, the weight is reduced by up to 70%. The effort required for mounting is significantly reduced. The enclosure is made of glass fibre reinforced plastic, which allows the radio signals to be emitted, thereby allowing use without external antennae. The connection is established via a separate connection chamber, which means that no access to the Ex nR enclosure is required and minimises maintenance work.

### Technical Data

#### Explosion Protection

Application range (zones)	2
IECEX gas certificate	IECEX TUR 20.0042X
IECEX gas explosion protection	Ex ec nR IIC T6...T4 Gc
ATEX gas certificate	TÜV 20 ATEX 8506 X
ATEX gas explosion protection	Ex II 3 G Ex ec nR IIC T6...T4 Gc
Certificates	ATEX (TUR), China (NEPSI), IECEX (TUR)
Declaration of Conformity	ATEX (EUK)

#### Electrical Data

Radio standards	Depends on installed device
Frequency band	Depends on installed device
Grid-bound interface	Depends on installed device
Auxiliary power PoE	Yes
Configuration	Depends on installed device
Max. emitted power	For IIC: 2 W For IIB: 3.5 W For IIA: 6 W

#### Ambient Conditions

Ambient temperature	-40 °C ... +70 °C Depends on installed device
Storage temperature	-40 °C ... +70 °C depending on the built-in device
Maximum relative humidity	5 to 95%
Use at the height of	≤ 2000 m

#### Mechanical Data

Version	Ex nR/ec enclosure
Degree of protection (IP)	IP66

9851/5.-... Art. No. 285180

### Mechanical Data

Enclosure material	Polyester, glass fibre reinforced
Min. dimensions	341 x 341 x 161 mm
Max. dimensions	853 x 341 x 241 mm
Dimensions note	Depends on installed device
Dimensions note 2	incl. connection chamber, without cable glands
Weight	-
Weight note	The weight depends on the chosen enclosure size. Range: 7 to 10 kg/15 to 22 lbs (without built-in components)

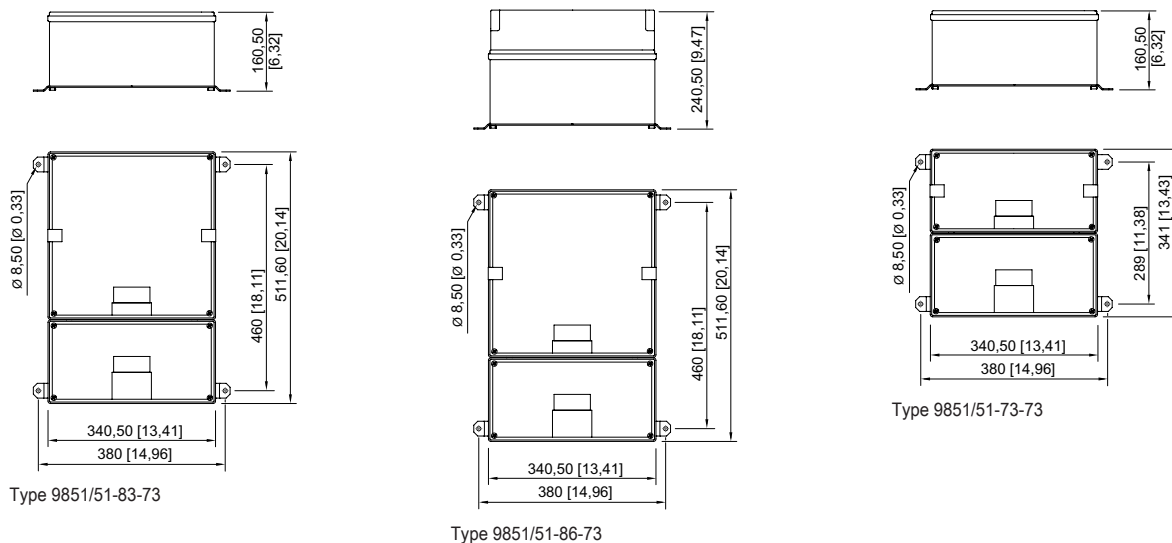
### Mounting / Installation

Mounting type	Wall and ceiling mounting
Connection	Via separate Ex ec connection chamber

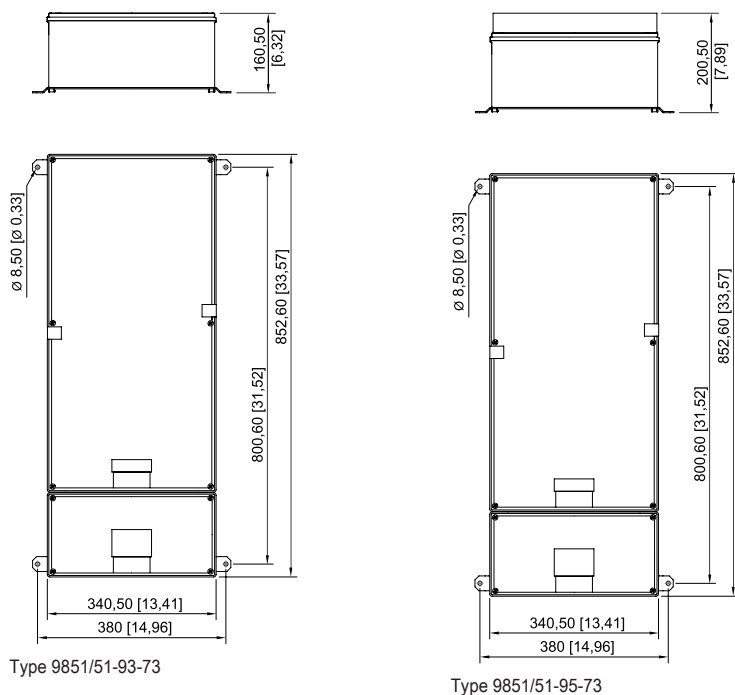
### Components

Available for Aruba	AP-318, AP-244, AP-345, AP-504, AP-505, AP-514, AP-515, AP-534, AP-535, AP-518, AP-615, AP-635 or others on request
Available for Cisco	Cisco Catalyst 9105, 9115, 9120, 9130AXI / AXE, Cisco Meraki MR70, MR76, MR78 or others on request
Available for Siemens	RF680R, SCALANCE W774-1, W1788-2 or others on request

### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



9851/5.-... Art. No. 285180



We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.