INSTALLATION MANUAL

R-COMM

PRELIMINARY WARNINGS

The word **WARNING** preceded by the symbol ⚠ indicates conditions or actions that put the user's safety at risk.
The word **ATTENTION** preceded by the symbol ⚠ indicates conditions or actions that might damage the instrument or the connected equipment. The warranty shall become null and void in the event of improper use or tampering with the module or devices supplied by the manufacturer as necessary for its correct operation, and if the instructions contained in this manual are not followed.

	**WARNING**: The full content of this manual must be read before any operation. The module must only be used by qualified electricians. Specific documentation is available via QR-CODE shown on page 1.
	The module must be repaired and damaged parts replaced by the Manufacturer. The product is sensitive to electrostatic discharges. Take appropriate measures during any operation.
	Electrical and electronic waste disposal (applicable in the European Union and other countries with recycling). The symbol on the product or its packaging shows the product must be surrendered to a collection centre authorized to recycle electrical and electronic waste.

DOCUMENTATION
R-COMM

SENECA

QUALITY MANAGEMENT SYSTEM
ISO 9001:2015

SENECA s.r.l.; Via Austria, 26 – 35127 – PADOVA – ITALY; Tel. +39.049.8705359 - Fax +39.049.8706287

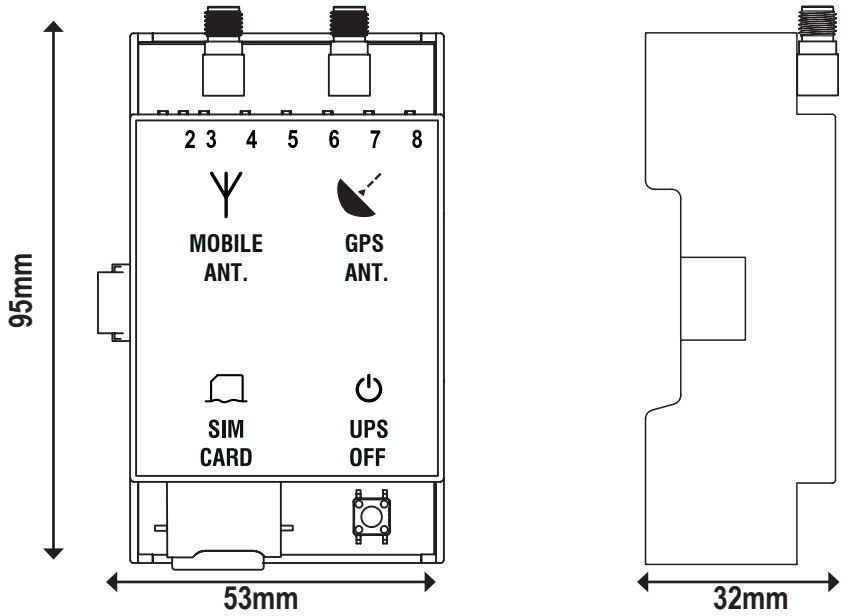
CONTACT INFORMATION

Technical support	support@seneca.it	Product information	sales@seneca.it

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The content of this document corresponds to the described products and technologies.
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MODULE LAYOUT



Weight: 80 g; **Enclosure:** UL94-V0 self-extinguishing PC/ABS material, black.

SIGNALS VIA LED ON FRONT PANEL

LED	STATUS	LED meaning
	On	Signal level reporting
	Flashing	Modem not correctly adjusted
NET	On	Modem adjusted on 4G network
	Flashing	Modem adjusted on 2G or 3G network
	Off	Modem off or not adjusted
DATA	On	Data connection enabled and correctly adjusted
	Flashing	Data connection enabled but in error
	Off	Data connection disabled
GPS	On	GPS signal present
	Off	GPS signal absent
BAT	On	Battery connected and working properly
	Flashing	Low or faulty battery
	Off	Battery not in use (UPS not active)
PWR	On	Module powered / successful connection
	Off	Module not powered / instrument not connected

TECHNICAL SPECIFICATIONS

CERTIFICATIONS	CE https://www.seneca.it/products/r-comm/doc/CE_declaration
POWER SUPPLY	Through connection with the main module
BACKUP BATTERY (R-COMM-B-4GWW ONLY)	Nickel battery AA dimension 1250mAh; 3.6V
ENVIRONMENTAL CONDITIONS	Temperature: -25°C ÷ +65°C Humidity: 30% ÷ 90% non-condensing Storage temperature: -30 °C ÷ + 85 °C Protection rating: IP20
ASSEMBLY	DIN rail 35 mm IEC EN60715 or wall with screws
CONNECTIONS	1 SIM-CARD slot 1 SMA connector for GPS antenna 1 SMA connector for 4G/LTE antenna
4G MODEM FREQUENCIES	Global coverage Model 4G/LTE LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/ B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/ B41 WCDMA: B1/B2/B4/B5/B6/B8/B19/GSM: B2/B3/B5/B
OUTPUT POWER	GSM900: 32.75dBm, DCS1800: 29.07dBm, WCDMC: 23.13dBm, 23.27 dBm, LTE: 23.1dBm, 23.2dBm, 21.7dBm, 23.19dBm, 23.14dBm, 23.7dBm, 23.39dBm.
GNSS	GPS / GLONASS / BeiDou (compass) / Galileo / QZSS
SIM CARD SLOT	Push-push type for mini SIM card 15 X 25 mm

N.B.: To purchase the "GPS antenna" accessory, access the website www.seneca.it and go to the product page.

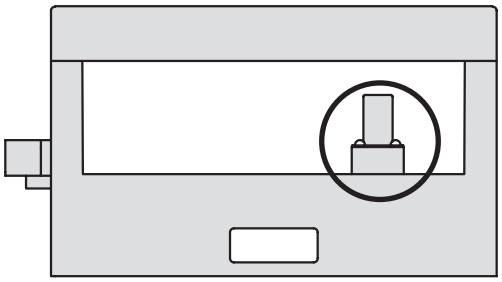
UPS BUTTON OFF (R-COMM-B-4GWW ONLY)

Button used to switch the UPS off:

The button is located on the underside of the instrument.

To shut down the UPS of the device, simply **press the OFF button,** in doing so the power supplied by the battery pack for the UPS will be disabled.

To switch off the R-PASS main module, it is necessary to disconnect the power cables from the terminals.



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CONNECTION TO THE MAIN MODULE

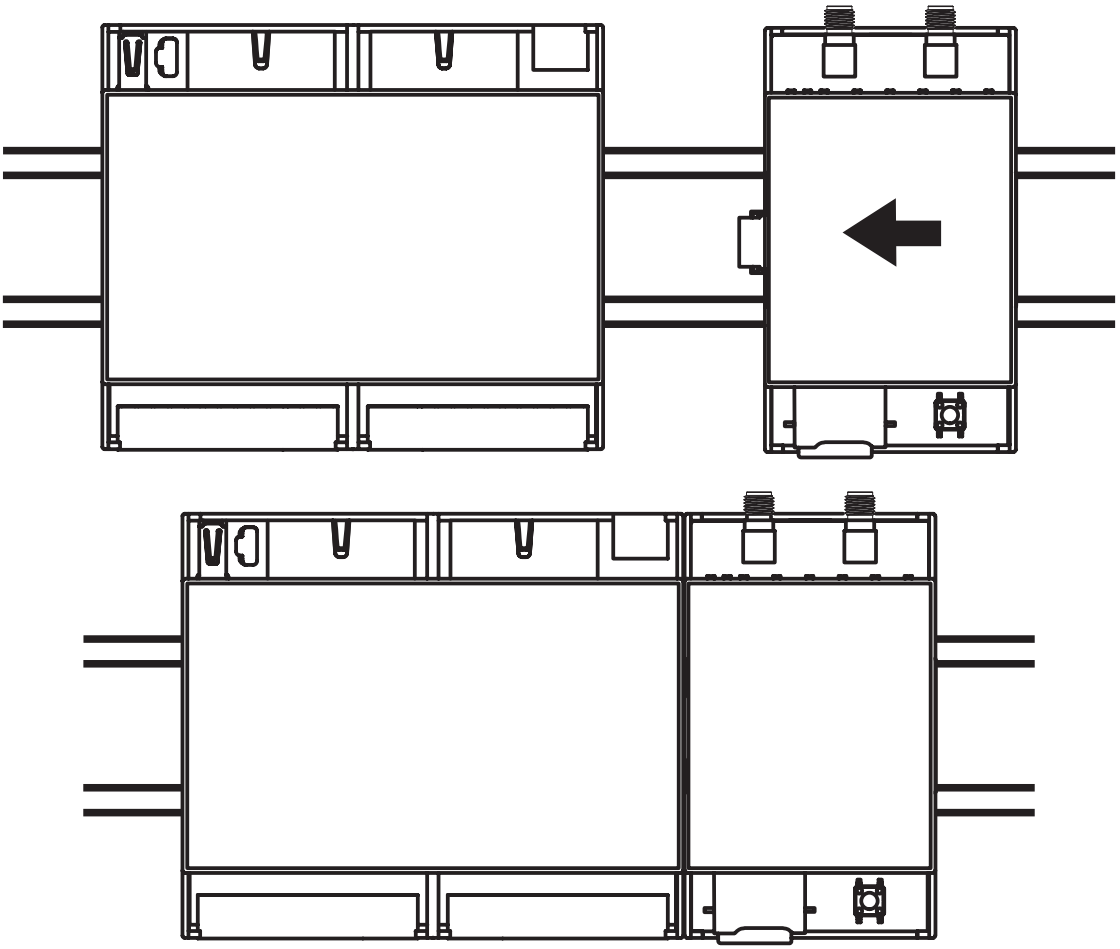
Installation:

To connect the R-COMM accessory module to the R-PASS main module, position the instrument on the DIN rail as shown in the procedure below, then slide the module until it is fully engaged with the side connector.

After the correct connection, the PWR led turns on to show the power supply.

⚠ CAUTION

The connection of the R-COMM accessory module must be made with the R-PASS main module turned off.



N.B.: For an ideal operation of the module, the use of a DIN rail clamp is recommended.

INSTALLATION ON DIN-IEC EN 60715 RAIL

Installation:

Position the device on the OMEGA rail resting the upper teeth from top to bottom.

Push the lower part towards the rail until the locking system engages.

Removal:

After switching off the module, with the help of a slotted screwdriver, unlock the locking system located on the underside of the instrument.

