

# GSM communication interfaces

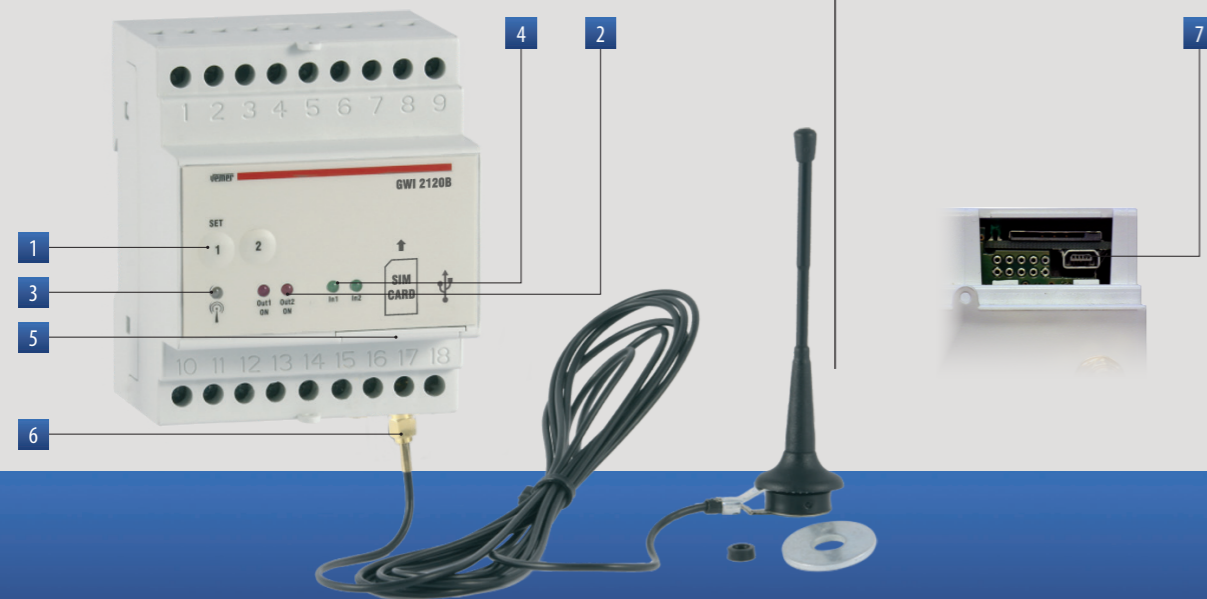
# GW1 2120B

## DIMENSIONS (mm)

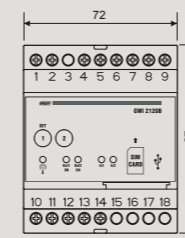
## CONNECTION DIAGRAM

Communication interface based on gsm technology for remote control of electric utilities by sending text message or telephone ring. The two digital inputs, together with the analog input, allow the monitoring of every electrical parameter. The two outputs allow the automatic intervention in case of alarm situation. You can store up to 10 numbers (staff) to which to send a sms in case of alarm situation.

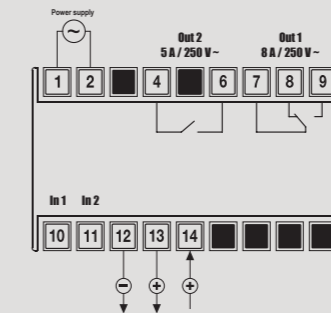
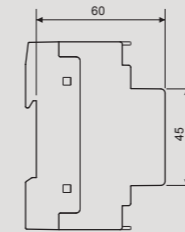
- 1 Keys for programming instrument or activate the output relay
- 2 Red leds: output status
- 3 Multicolour led: status instrument
- 4 Green leds: digital input status
- 5 Slot for sim card
- 6 Gsm antenna with 3 meters cable (included in the box)
- 7 USB port to connect with pc



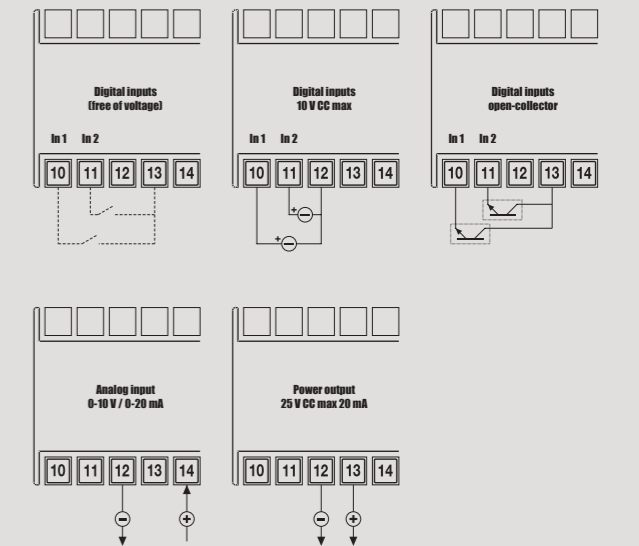
### Front view



### Side view



### Diagram



# MEASUREMENT AND CONTROL

## GSM COMMUNICATION INTERFACES

- Power supply: - 11÷28V ac 50Hz / 15÷40V dc
- Output:
  - n. 1 bistable relay with change-over contact 8A / 250 Vac
  - n. 1 normally open relay 5A / 250 Vac
- Two digital inputs
- One analog input
- Gsm quad band module (900-950-1800-1900 MHz)
- Compatibility with 3V and GSM standard 11.12 phase 2+ sim card
- 60 user number storable + 10 staff number to which send an sms alarm
- Controlled free by ring
- Possibility to receive a text message of replay to any command imparted
- Backup battery that guarantees an autonomy of an hour in case of powerfail
- Possibility to receive a text message in case of powerfail and restore
- GSM antenna with 3 meters cable lenght included in the box
- USB port for pc connection that permits to make the programmation using the relative software (available as accessory)



## TECHNICAL INFORMATION

### GENERAL CHARACTERISTICS

Power supply	V AC	11 ÷ 28 50 Hz
	V DC	15 ÷ 40
Terminal blocks		6 mm <sup>2</sup>
Output	- n. 1 bistable relay with change-over contact	8A / 250 Vac
	- n. 1 normally open relay	5A / 250 Vac
Digital inputs	Maximum applicable voltage	V DC 11
	Minimum voltage for reading	V DC 3
	Input impedance	kΩ 10
Analog input	Maximum applicable voltage	V DC 11
	Maximum applicable current	mA 25
	Input impedance	kΩ 100

GSM quad band module	MHz	900-950-1800-1900
Connector for external antenna		SMA-F
Numbers enable (users)	n	60
Numbers enable for alarm (staff)	n	10
Backup battery duration	h	1
Signalling leds	Outputs	2, red
	Inputs	2, green
	Device status	1, multicolour
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-10 ÷ +65
Container		4 DIN modules
Humidity		10 ÷ 90%
		non condensing
Degree of protection		IP40

Code	Model	Description	Dimensions
VE285300	GW1 2120B	Gsm communication interface with backup battery	4 DIN modules
VE269700	Gsm.Ant	Gsm antenna with 3 meters cable	

### REFERENCE STANDARDS

Conformity to the Community Directive 1999/5/EC R&TTE declared in reference to the Harmonised Standards: • Safety: EN 60950-1 • E.M. Compatibility: EN 301489-1 / EN 301489-7