

# GSM communication interfaces

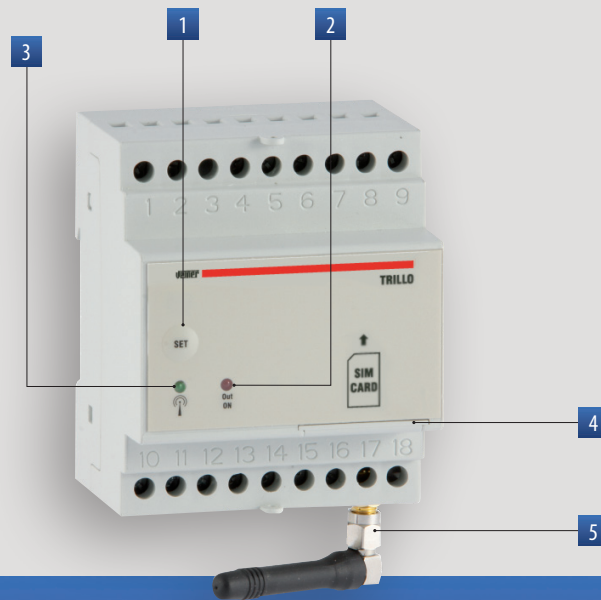
# TRILLO

## DIMENSIONS (mm)

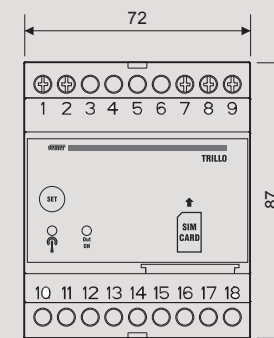
## CONNECTION DIAGRAM

Communication interfaces based on gsm technology for remote control of electric utilities, thanks to the output relay, which can be commanded with text message or telephone ring. Trillo has also a backup battery that permits to the instrument to operate for an hour in case of powerfail.

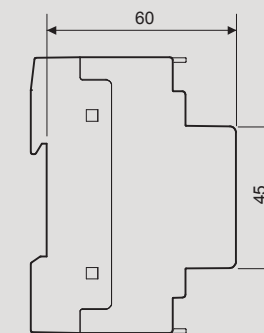
- 1 Key for programming instrument or activate the output relay
- 2 Red led: output status
- 3 Multicolour led: status instrument
- 4 Slot for sim
- 5 Gsm antenna (included in the box)



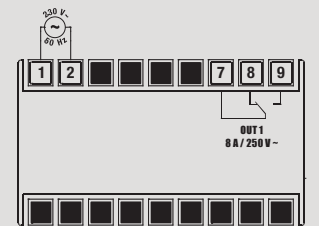
### Front view



### Side view



### Diagram



# MEASUREMENT AND CONTROL

## TECHNICAL INFORMATION

### GSM COMMUNICATION INTERFACES

- Power supply: ~ 230V ac 50Hz
- One output bistable relay with change-over contact 8A / 250V ~
- Gsm quad band module (900-950-1800-1900 MHz)
- Gsm antenna included in the box (it is possible to replace with another one with 3 meters cable in case of installation into screened panel)
- Compatibility with 3V sim card and standard GSM 11.12 phase 2+
- Possibility to enable 100 numbers
- Controlled free by ring
- Possibility to receive a text message of replay to any command imparted
- Backup battery that guarantee an autonomy of an hour
- Possibility to receive a text message in case of powerfail and restore

### GENERAL CHARACTERISTICS

Power supply (Trillo)	V AC	230 (-10% ÷ +10%) 50 Hz
Terminal blocks		6 mm <sup>2</sup>
Output		1 bistable relay with change-over contact 8(5)A/250V
GSM dual band module	MHz	900-950-1800-1900
Connector for external antenna		SMA-F

Numbers enable	n	100
Backup battery duration	h	1
Signalling leds	Output	red
	Status	multicolour
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-10 ÷ +65
Humidity		10 ÷ 90%
		non condensing
Container		4 DIN modules
Degree of protection		IP40

Code	Model	Description	Dimensions
VE245700	Trillo	Gsm communication interface	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