

# Yocto gate

## INSTALLATION INSTRUCTIONS

### COPYRIGHT

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### WARRANTY

This product is covered by a warranty against material and manufacturing defects for a 24 months period from the manufacturing date.

The warranty does not cover the defects that are due to:

- Negligent and improper use
- Failures caused by atmospheric hazards
- Acts of vandalism
- Wear out of materials
- Firmware upgrades

Akse reserves the right, at its discretion, to repair or substitute the faulty products  
The warranty is not applicable to the products that will result defective in consequence of a negligent and improper use or an operating procedure not contemplated in this manual.

### RETURN AND REPAIR FORMALITIES

Akse accepts the return of instruments for repair only when authorized in advance.  
The transport costs are at customer charge.

### RE-SHIPING OF REPAIRED PRODUCT

The terms for re-shipment of repaired products are ex-works, i.e. the transport costs are at customer charge.

Products returned as defective but found to be perfectly working by our laboratories, will be charged a flat fee to account for checking and testing time irrespective of the warranty terms.

### SAFETY

The user must comply with the indications and markings contained in the following instructions:

- When the instrument is received, before starting its installation, check that it is intact and no damage occurred during transport.
- This device is provided without the security fuse on the power input, so must be protected by the installer
- Maintenance and/or repair must be carried out only by qualified, authorized personnel
- If there is ever the suspicion that safe operation is no longer possible, the instrument must be taken out of service and precautions taken against its accidental use.

Operation is no longer safe when:

- There is clearly visible damage.
- The instrument no longer functions.
- After lengthy storage in unfavorable conditions.
- After serious damage occurred during transport

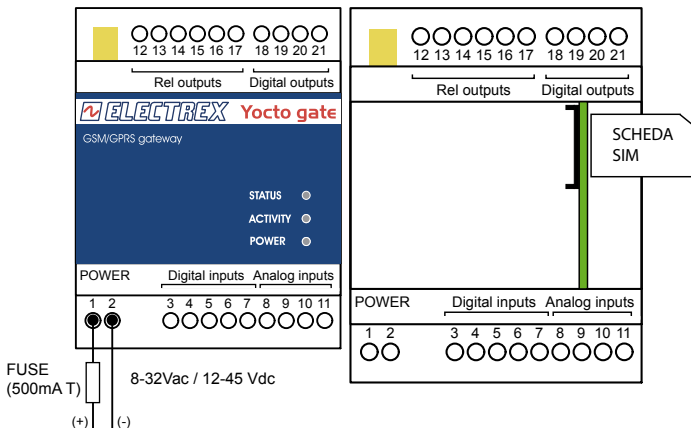
The instruments must be installed in respect of all the local regulations.

**Precautions:** Failure to respect the following instructions may irreversibly damage to the instrument.

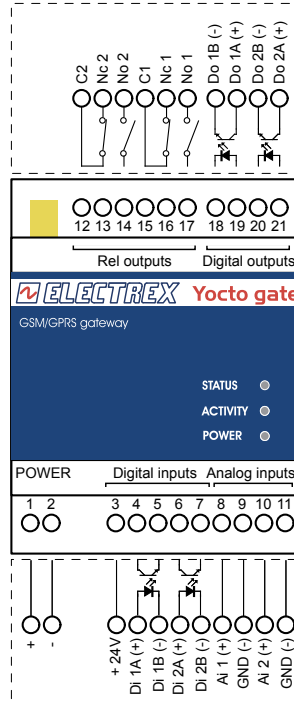
- The outputs and the options operate at low voltage level; they cannot be powered by any unspecified external voltage.
- The application of currents not compatible with the current inputs levels will damage the device.

## ALIMENTAZIONE

The device has independent power input. Clamps for power input are numerated (1 and 2). The max cross section of wires is 2,5 mm<sup>2</sup> if flexible, 4 mm<sup>2</sup> if rigid.

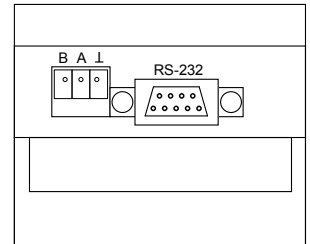


## INPUT AND OUTPUT CONNECTION



Rel outputs	
Maximum applicable voltage	250 Vac
Maximum switchable current (for resistance loads)	5 A

Transistor optoisolated digital outputs (NPN)	
Maximum applicable voltage	27 Vdc
Maximum switchable current	27mA



Digital inputs	
2 digital inputs, Voltage	from 10 to 30 Vdc
Self Consumption	from 2 to 10mA

Analog inputs	
2 analog inputs 0 - 10V	
(4-20 mA compatible)	

## DEVICE FACTORY DEFAULT CONFIGURATION

The device is programmed with the following default values:

485 address	1
Mode	Slave
Communication	9600, 8, N, 1
Active communication port	RS-232

## VOLTAGE INPUT

Power source	8-32Vac / 12-45 Vdc
Standby	1,25W
Talk with active input/output	max 3W

## WORKING CONDITION

Working temperature	-20/+70 °C
Relative humidity	95% without condensation

## CARATTERISTICHE MECCANICHE

Case	Self-extinguishing plastic material
Protection degree	IP40 on front panel, IP20 clamps side
Size	70 x 90 x 58 mm (4 DIN modules)

## MODEM GSM/GPRS

Type	Modem Siemens MC55 Tri Band GSM/GPRS 900/1800/1900 MHz Comply to GSM phase 2/2+ standard Control thru AT commands (GSM 07.07 e 07/05)
Modem output power	2W per EGSN 900 1W per GSM 1800 1W per GSM 1900
Approval	R&TTE, FCC, IC, GCF, PCCRB, GFC
<b>MODEL</b>	
PFA9409-06	YOCTO GATE

Further documentation may be downloaded from [www.electrex.it](http://www.electrex.it)  
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## DECLARATION OF CONFORMITY

Akse hereby declares that its range of products complies with the following directives  
EMC 89/336/EEC 73/23CE 93/68 CE and complies with the following product's standard  
CEI EN 61326 - IEC 61326 CEI EN 61010 - IEC 1010.  
The product has been tested in the typical wiring configuration and with peripherals conforming to the EMC directive and the LV directive.  
Subject to modification without notice. Preliminary. Edition 15-01-2008.