GEFRAN

4A 48 / 4A 96

AC CURRENT / VOLTAGE CONFIGURABLE INDICATOR



Main features

- · AC voltage, AC current direct input on instrument terminals
- · Protected by a personal code
- · Configurable by serial link
- · Labels to customize measured physical unit

Main applications

- · Extrusion lines
- Electrical panels
- Test benches
- Food processing equipment

GENERAL

Microprocessor based indicator in both 48x48 (1/16 DIN) and 96x48 (1/8 DIN) formats manufactured with SMT. The instruments have a lexan mem-

brane faceplate (guaranteed to IP65) which has 3 keys, a 3-digit display for the 48x48 format or a 3 / 4 digit display for the 96x48 format.

The input signal section provides for the visualisation of the sinusoidal effective value corresponding to following signals:

- · AC voltage: 0 to 2, 0 to 20, 0 to 200 and 0 to 500Vac
- AC current: 0 to 20, 0 to 50, 0 to 200mAac 0 to 1, 0 to 5Aac

The selection is made using the faceplate keys and correct input terminals. No external shunt or adapter is requi-

The programming of the instrument is made easy by grouping the parameters in function blocks and by a simplified data entry menu.

The configuration can be simplified even further using the PC programming kit made up of a connection cable and a menu guide program that runs under Windows (see data sheet code WIN-STRUM).

A configurable personal software protection code (password protection) can be used to restrict the levels of editing and displaying the configuration parameters.

INPUTS

Accuracy:

0,2% f.s. ±1 digit for 2Vac, 20Vac, 20mAac, 50mAac, 1Aac inputs 0,5% f.s. ±1 digit for 200Vac, 500Vac, 200mAac, 5Aac inputs

The measurement of the effective value considers the sinusoidal signal. Sampling time 120msec, resolution 8000 steps.

Configurable decimal point position, scale -1999 to 9999 (4 digit display) or -999 to 999 (3 digit display with sign, only for the 96 format) with over- and under-range indication.

Voltage input for 2Vac, 20Vac, 200Vac, 500Vac with Ri > 1M Ω . Current input for 20mAac, 50mAac,

200mAac with Ri = $1,6\Omega$. Current input for 1Aac, 5Aac with $Ri = 16m\Omega$.

POWER SUPPLY

4A 48

Standard:100 to 240Vac ± 10% max 5,5VA optional: 20 to 27Vac/dc ± 10% max 5,5VA 4A 96

Standard:100 to 240Vac/dc ± 10% max 5VA

optional: 11...27Vac/dc ± 10% max 3VA

TECHNICAL DATA

50/60Hz, protected by an internal fuse (not replaceable by the operator).

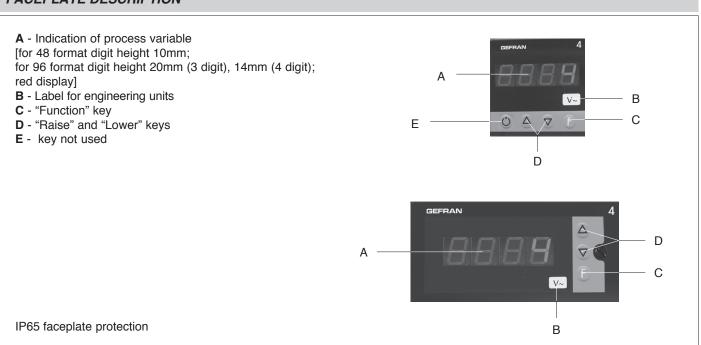
AMBIENT CONDITIONS

Working temperature range: 0 to 50°C Storage temperature range: -20 to 70°C Humidity: 20 to 85%Ur non-condensing

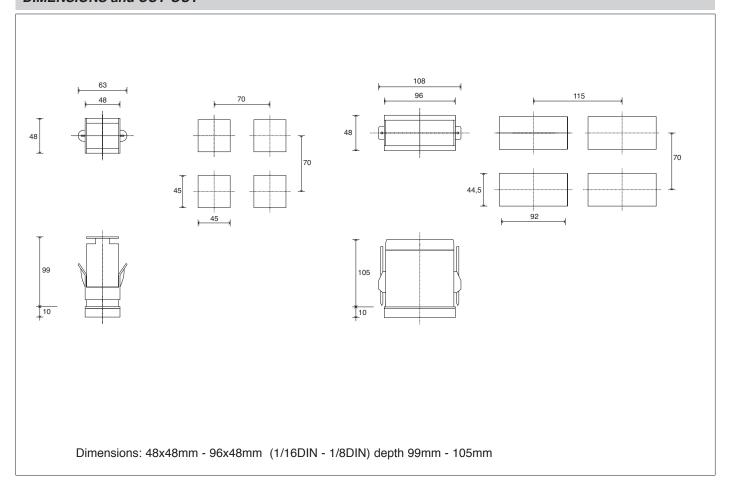
WEIGHT

150g. (48 format), 280g. (96 format) in the complete version

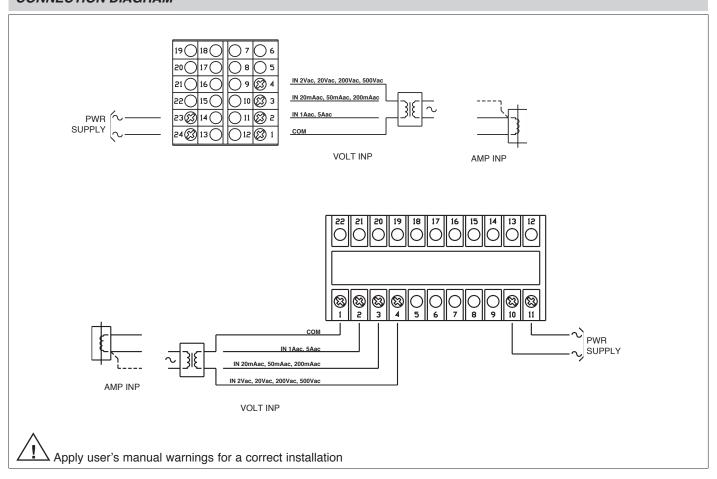
FACEPLATE DESCRIPTION

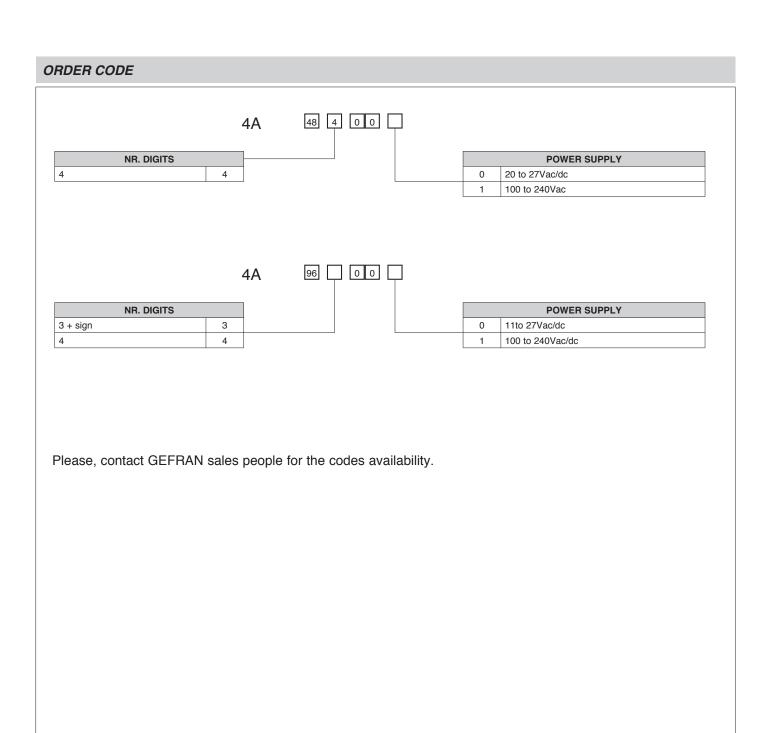


DIMENSIONS and CUT-OUT



CONNECTION DIAGRAM





GEFRAN spa reserves the right to make any modification of the design or function, at any moment without prior notice



EMC (electromagnetic compatibility): conforms to directive 2014/30/EU with reference to standard EN61326-1 Safety LVD: conforms to directive 2014/35/EU with reference to standard EN 61010-1

