

TWO-COLOUR CURRENT GENERATOR

G175

The G175 is a **programmable digital current generator (0-25 mA)**, with **IP 65** front face protection.

It is equipped with a two-colour 4 digits 14 mm high display with a brightness which integrates perfectly in applications in industrial control rooms.

The extra-thin front face allows a better integration in cabinet fronts.

The display scale factor which is proposed allows visualising the value of the generated current permanently in display unit. 2 isolated logic inputs with programmable function can be added optionally.

Two display versions are available:



Two-colour display, red and green



Two-colour display, red and white



Introduction

Easy programming on front face with a 5-key tactile keyboard.

• Functions:

- Programmable display scale factor.
- Measurement of the generated current on the output (in display unit).
- Entering of the generated value (in display unit).
- Increase and decrease of the output signal by pressing a key.

• Display:

- Electroluminescent red and green (or red and white).
- Selection of the basic colour and the condition for colour change programmable.
- ±10000 points.
- 2 Leds indicating the activation of the logic inputs.

• Universal power supply:

- 20 to 250 VAC and 20 to 250 VDC
- Power consumption: 3 W max. 6 VA max.

• Option (must be specified on order):

- 2 isolated logic inputs** (24VDC signal).
 - Generating of a specific value.
 - Increase and decrease of the output signal.

• Housing:

Self-extinguishing case of black UL 94 V0 ABS.
Extra-thin 1.4 mm front face.

• Connectors:

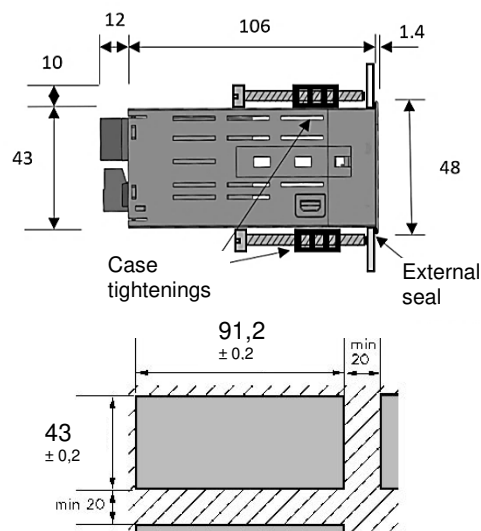
Removable terminal blocks on rear face for screwed connectings (2.5mm², flexible or rigid).

• Protection:

Front face: IP 65 Housing/terminals: IP20

Dimensions

Housing: 96 x 48 x 119.4 mm (with terminals)



Mounting: on panel, cut out 43 x 91.2 mm

Compliance with standards:

- Directive LV 2014/35/UE.....EN 61010-1
- Directive EMC 2014/30/UE.....EN 61326-1
- Directive ROHS 2011/65/UE

CE Marking



Technical features

- **Galvanic isolation**

3 kVeff 50HZ 1mn, between supply, analogue output and logic inputs.

- **Changing of the display colour**

- Programming of the main display colour.
- Programming of the display colour change on alarm or self-diagnosis.

- **Environment**

- IP65 front face protection.
- Operating temperature: -20 to +60°C.
- Storage temperature: -20 to +70°C.
- Relative dampness: 80% annual average.
- Use in pollution degree 2 and voltage surge category II or better for 500 V AC, and III or better for a voltage lower than 300 V AC.
- Max. altitude: 2000 m
- Weight: 150g (with packaging)

Coding

Type: G175

Options:

T = 2 logic inputs

Colour code:

RG = Two-colour display, Red/Green

RW = Two-colour display, Red/White

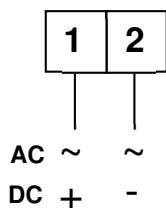
Order example: For a two-colour generator in Red/Green with option logic inputs, request the reference: **G175-T-RG**.

This appliance is dedicated to industrial applications. It has to be installed in an electrical cabinet, or equivalent.

Connectings

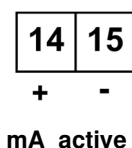
SUPPLY

A



OUTPUT

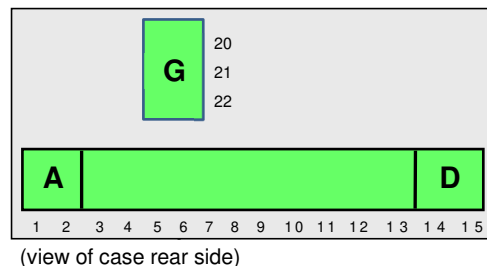
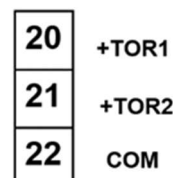
D



OPTION

LOGIC INPUTS

G



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