

DR 100A

Four channels expansion (it has to be used with the data recorder PR 100A)

Version 1.01 of 20th May 2003

File dr100ae_v1.01.pdf

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EVERY CONTROL S.r.l.

This Company belongs to **EVCO group**

Via Mezzaterra 6, 32036 Sedico Belluno ITALY

Phone 0039-0437-852468 • Fax 0039-0437-83648

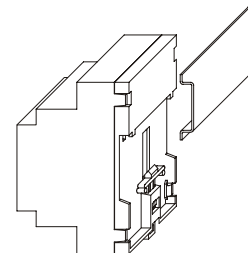
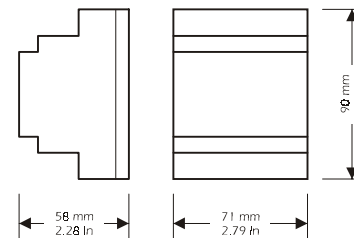
info@everycontrol.it • www.everycontrol.it

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1 PREPARATIONS

1.1 How to install the instrument

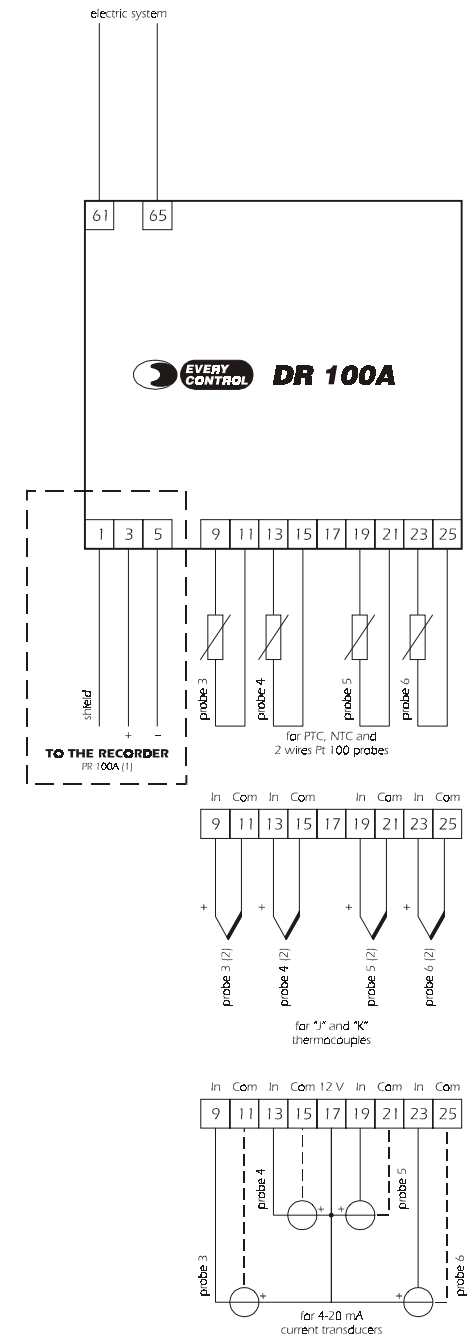
On DIN rail (it is not supplied by the builder).



DIN rail installation (it is not supplied by the builder).

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1.2 Electrical connection



(1) you have to connect the probes in succession (for example, if you are using three channels, you have to connect probe 1 and probe 2 with the data recorder

PR 100A and probe 3 with the expansion DR 100A); connect PR 100A with DR 100A by using a twisted pair

- (2) provide the probe with a protection able to protect it against contacts with metal parts or use insulated probes.

2 TECHNICAL DATA

2.1 Technical data

Box: self-extinguishing grey.

Size: 71 x 90 x 58 mm (2.79 x 3.54 x 2.28 in, 4 DIN modules).

Installation: on DIN rail (it is not supplied by the builder).

Frontal protection: IP 40.

Connections: extractable terminal blocks with pitch 10 mm (0.39 in) for cables up to 2.5 mm² (0.38 sq in, power supply) and with pitch 5 mm (0.19 in) for cables up to 2.5 mm² (0.38 sq in, inputs and recorder).

Ambient temperature: from 0 to 55 °C (32 to 131 °F, 10 ... 90% of relative humidity without condensate).

Power supply: 110-240 Vac, 50/60 Hz, 2 VA (standard) or 12-36 Vac/dc, 50/60 Hz, 2 VA (by request).

Measure inputs: 4 for, by using the recorder PR 100A, for PTC or NTC probes, "J" or "K" thermocouples, 2 wires Pt 100 probes, 4-20 mA current transducers.

At terminal 17 there are 12 Vdc you can use in order to supply the transducers.