



Auxiliary unit REL 45.12.4.1.1 for Carbomat-M, Carbo-M and Nitromat-M with cable and connector for external components

Function:

This **auxiliary unit REL 45** is designed to connect external components like thermocouples, O₂-probe, temperatur-controller etc.

This box contains the circuit of interface with the controller, the alarm relays of the system, the relays of the auxiliary outputs and the relays of the main outputs connection with the **Carbomat-M**, **Carbo-M** and the **Nitromat-M**.

Technical Data:

Dimensions:

100 x 245 x 125 mm (lxwxh)

Maintenance:

2 drill DIN 46277 and DIN EN 50022

Protection according:

Case and terminal bord IP 20

Wiring:

Up to 2,5 mm²
nuber of terminals 52

Auxiliary voltage:

230 Vac ± 10 % 50/60 Hz

Power consumption:

approx. 8 VA

Output:

12 NO contacts, isolated 3 A / 250 Vac
mA, V for ext. controller an recorder

Input:

Thermocouple, O₂-probe, logic-inputs

Display:

LED 0...12 to show the relaysposition

Ambient temperature:

-10...+50 °C

messen - steuern - automatisieren - messen - steuern - automatisieren - messen - steuern - automatisieren

Climate:

Storage and operation -10... 45 °C

Connection cabel:

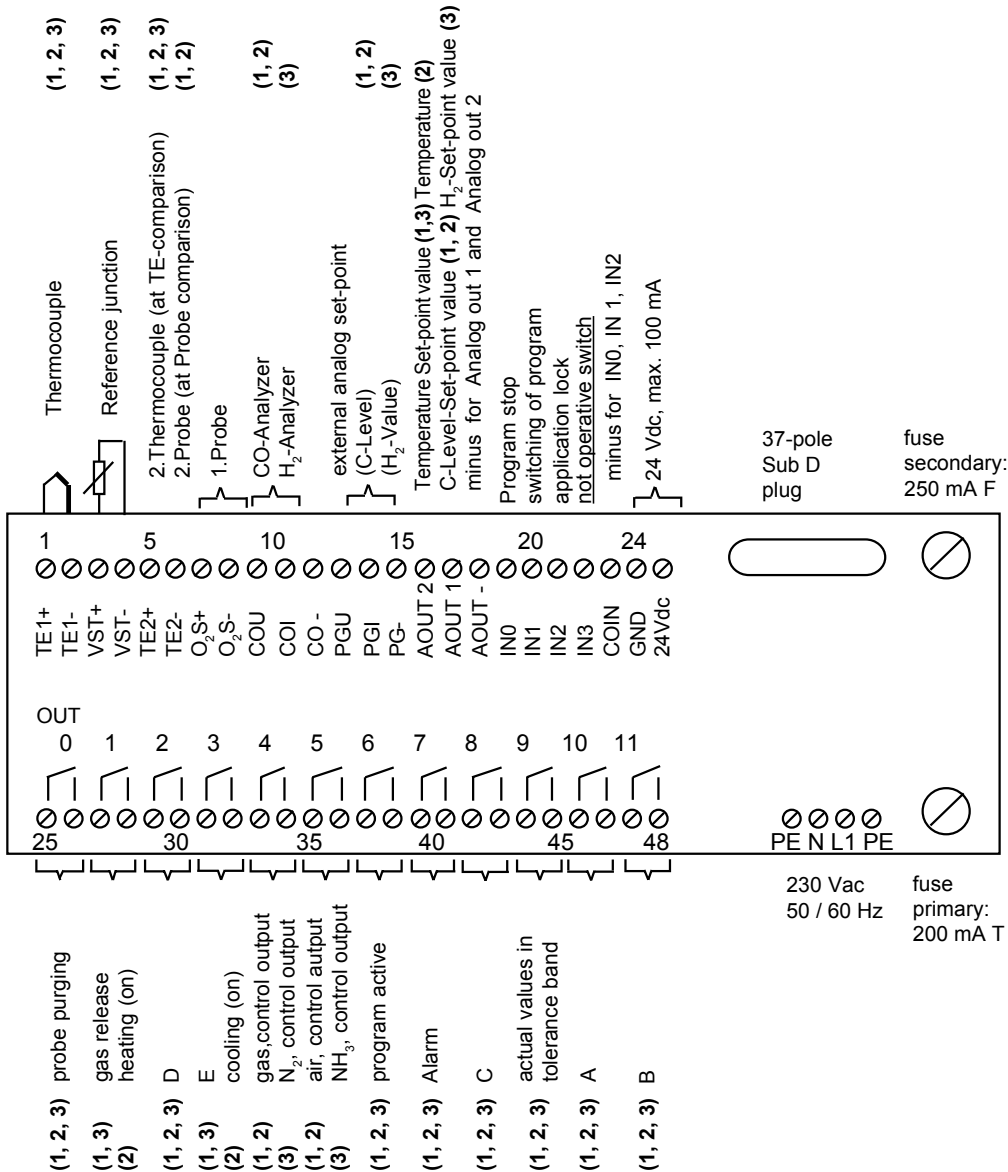
Shielded roundcabel with 37-pole D-Sub-Plug
Standard length 1 Meter

Legend:

- 1 Carbomat-M**
- 2 Carbo-M**
- 3 Nitromat-M**
(not version of nitriding controlling)

Modell code:

REL 45.12.4.1.1 — cabel length in meter
 Pt 100 for reference junction
 Power supply 3: 115 Vac
 4: 230 Vac
 number of relays outputs



All specifications subject to change without prior notice

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