

USER MANUAL

ENGLISH

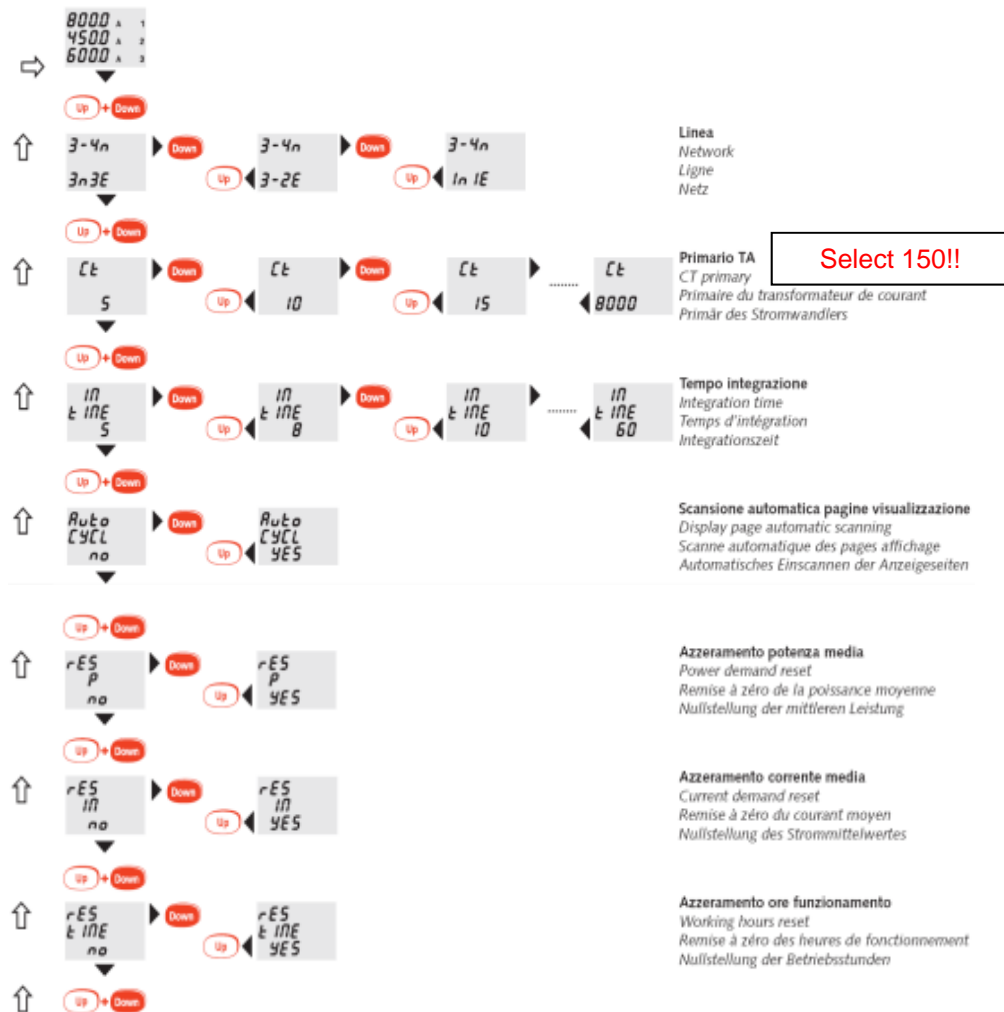
Programming / Programming modus

By simultaneously pressing the **Up** and **Down** keys, the programming mode is started.

Press the **Up** and **Down** keys simultaneously. The device returns automatically to the display mode.

Factory default: Please change not this settings!

Network: 3n3E → three phase / 4-wire
CT Primary → 150



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USER MANUAL V2.1

MULTIMETERING RC-M-DIN + RC-M-72

Network Monitor for low voltage



Three-phase network 340...450V
(phase - phase)
single-phase network 195...260V
(phase - neutral)
Connection with dedicated CT Programmable primary CT 5...8000A
(41 ranges)
True RMS value measurement

Application

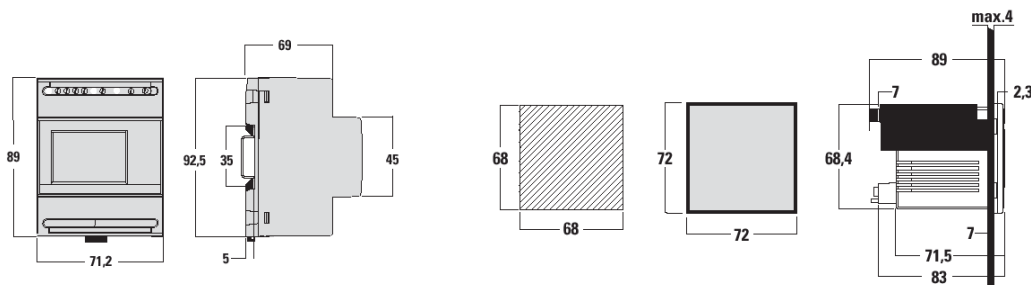
The multi-meter is suitable for measuring the electrical quantities in a 4-wire three-phase system. The device records the currents, voltages, frequency and operating hours. Further, the current average values and the maximum values are shown. RC-M-DIN is designed for mounting on DIN rail 35mm and the RC-M-72 is suitable for panel mounting (front dimensions 72x72mm²).

Specifications:

Reference temperature: 23°C +- 2°C
Specified operating range: -5....55°C
Limit Range for storage and transport: -25....70°C
Max. power dissipation: <=6,8W
Protection degree (EN60529): IP54 front frame, IP20 terminals
Three-phase voltage: 340...450V (phase-phase)
Frequency rating fn: 50 HZ / Tolerance: 47....63HZ
Type of measurement: true RMS
Measuring voltage rated burden: <= 0,5A (each phase)
Current rated burden: <=0,5VA (each phase)
Insulation voltage rating: 300V
Pollution degree: 2

Technical modifications possible

Dimensions



Display

Display pages and displayed quantities differ according to the connection (single phase, three phase and 4-wire).

PHASE SEQUENZ CHECKING

When the meter is turned on, a check of the correct connection of the voltmetric (phase sequence) is carried out. If the connection is wrong, **Err 123 YES** is displayed. In this case you have to correct the voltmetric connection and repeat the checking until you get the correct sequence (phase sequence clockwise).

ATTENTION!

A wrong phase sequence may lead to measuring errors.

Err 123

4-wire three phases Net:

3n3E		
2300 V 1 2300 V 2 2300 V 3	1 2 3	Tensione di fase Phase voltage Tension de phase Phasenspannung
8000 A 1 4500 A 2 6000 A 3	1 2 3	Corrente di fase Phase current Courant de phase Phasenstrom
4000 V 1 4000 V 2 4000 V 3	1 2 3	Tensione concatenata Linked voltage Tension composée Verkettete Spannung
1582 kW 1 0890 kW 2 1186 kW 3	1 2 3	Potenza attiva di fase Phase active power Puissance active de phase Phasenwirkleistung
25.76 kVAR 1 14.49 kVAR 2 19.32 kVAR 3	1 2 3	Potenza reattiva di fase Phase reactive power Puissance réactive de phase Phasenblindleistung
3658 kW 1 5957 kVAR 2 4254 kVA 3	1 2 3	Potenza attiva, reattiva, apparente Active, reactive, apparent power Puissance active, réactive, apparente Wirk- Blind- und Scheinleistung
3040 A 1 500 Hz 2 086 PF 3	1 2 3	Corrente di neutro, frequenza, fattore di potenza Neutral current, frequency, power factor Courant de neutre, fréquence, facteur de puissance Neutraler Strom, Frequenz, Leistungsfaktor
6:1NE 0427 h 07 min	1 2 3	Ore e minuti di funzionamento Working hours and minutes Heures et minutes de fonctionnement Betriebsstunden und -Minuten
3264 kW 1 390.1 kVA 2	1 2	Potenza media - Picco potenza media Power demand - Power Max demand Puissance moyenne - Pointe de puissance moyenne Mittlere Leistung - Mittlere Leistungsspitze
7120 A 1 4005 A 2 5340 A 3	1 2 3	Corrente media di fase Phase current demand Courant moyen de phase Mittlerer Phasenstrom
8482 A 1 477.1 A 2 6360 A 3	1 2 3	Picco corrente media di fase Phase current Max demand Pointe courant moyen de phase Mittlere Phasenstromspitze
1NE 3n3E 20		Inserzione - Versione firmware Connection - Firmware release Connexion - Version firmware Anschluss - Firmware-Version

Technical modifications possible