Short Form Brochure Automation Products

CE

696

-tong

ument 10A page 250V AC

Klemsan C1D-SA

03 / 2013

L1L2L3

k e M e ECRAS

ic Multimeter

0

V

Klemsan R-SCE-230VAC/DC-10

> CE Made in TURKE

Un 100-2004 AC max wetching Curron 10A max wetching votage 2504 AC max wetching prover 12504A

86960661095405

Klemsan® P1-SU

1

H O

• D • SET • A

L (<

Klemsan*

3)

1

R

san

CE



RAPIDUS - POWER FACTOR CORRECTION

LCD Screen, Turkish/English language options 1MByte memory Operates also as an energy analyzer Tariff meter Fast and easy setup Learns connection and steps automatically Compensation with low current values (10 mA) Capability to connect three-phase/single phase capacitor or reactor to any step Switch-on durations and switching counts for steps Phase angle entrance to compensate for system related errors Alarm setup for any electrical parameter MODBUS RTU communication with an isolated RS485 port



Supply

Technical Specifications

Voltage Frequency 85..300V AC/DC 45..65 Hz

Measurement Inputs

Voltage Current Frequency 1..300 V RMS (L-N) 0.01..6 A RMS 45..65 Hz **Relay Outputs**

14 pcs, Max. switching current: Max. switching voltage: Max. switching power:

5A 250 VAC 1250 VA

Power Consumption <10VA



LCD Screen, Turkish/English/Russian language options Password protection 1MByte memory Phasor diagram Signal waveforms Fixed current input terminal block

Active (import and export) and reactive (inductive and capacitive) energy indeces; current hour, previous hour; current day, previous day, current month, previous month energy values MODBUS RTU communication with an isolated RS485 port



Supply Voltage

85..300V AC/DC 45..65 Hz

Measurement Inputs

Voltage Current Frequency

Frequency

1..300 V RMS (L-N) 0.01..6 A RMS 45..65 Hz

Digital Input/Output (Digital IO)

2 pcs, 5...30V DC, 50mA Protection: 3750VRMS , Insulation

Analog Output

2 pcs. (2 pcs. analog output optional model) 4 pcs. (4 pcs. analog output optional model) 0-5V, 0-10V, -5-5V, -10-10V, 0-20mA, 4-20mA Power Consumption <3VA



Existence/Non-existence of currents and voltages belonging to the related phases Minimum and maximum values for current, voltage (L-L, L-N), cosØ active, reactive and apparent power Demand values for current, active, reactive and apparent power Providing 4-digit password and user entry control. 2 programmable alarm relay outputs. (OPTIONAL)



Supply

Voltage Frequency 85...300V AC/DC 45...65 Hz Power Consumption: $\leq 6 \text{ VA}$

Measurement Inputs

Voltage Current Frequency 10...300 V RMS (L-N) 0.05...5.5 A RMS 45...65 Hz



17.5 mm width boxes Phase failure Phase sequence PTC Input voltage range Star connected models 85 – 320 VAC (L-N) Delta connected models 150 – 500 VAC (L-L) Adjustable or fixed high/low voltage protection Adjustable or fixed asymmetry Different models for delta and star connections 4 LEDs to demonstrate operation modes and/or failures



P SERIES (Protection with Fixed Parameters)

Operating Voltage (U_N) Supply Input

Operating Frequency

85..320V AC (P1 Series) 150..500V AC (P1D Series) 175..320V AC (P1-SU) L1-N (P1 Series) L2-L3 (P1D Series) L3-N (P1-SU) 35..70 Hz (P1,P1D Series) 50..60 Hz (P1-SU)

C SERIES (Protection with Adjustable Parameters)

Operating Voltage (U_N)

Supply Input

Operating Frequency Voltage Measurement Range Voltage Adjustment Range Lower Limit

Upper Limit

85..320V AC (C1, V1, F1 Series) 150..500V AC (C1D, V1D Series) L1-N (C1, V1, F1 Series) L2-L3 (C1D, V1D Series) 35..70 Hz U_N

150..210V AC (C1, V1 Series) 270..370V AC (C1D, V1D Series) 240..300V AC (C1, V1 Series) 400..500V AC (C1D, V1D Series)



17.5 mm width boxes LEDs to demonstrate operation modes Supply voltage range 24..300 VAC/DC (Star/Delta timer 150 - 500 VAC/DC) 10 different timer models for different requirements Best solution for high precision applications



Supply voltage range for T1-60S, T1-FLASH, T1-M5, T1-K, T1-M4, T1-LR, T1-XS: 24 .. 300 V AC/DC Supply voltage range for SD1: 150 .. 500 V AC/DC Supply voltage range for T1-100S: 180..265 VAC



24/110 and 220VAC/DC models Easy installation Width 6.2 mm



LED indicator Easy dislocation of the relay Long switching life



8 (ANC-8) or 16 (ANC-16) input channels Double colored; backlight illuminated indicators Keeping 6080 event logs with time stamp Battery supported real-time clock and memory (min. 5 years of battery life) Ability to assign input channels to HORN or ALARM relays via DIP switch Isolated RS-485 port HORN channels green and ALARM channels are in red color Input signal voltage values: 24V, 48V, 110V and 220V AC/DC Adjustable alarm recognition delay 0-30 seconds Front panel buttons for alarm confirmation, deletion and display tests Sound warning of alarms with a buzzer 2 relay outputs; "HORN" and "ALARM" relays



Supply voltage

Frequency Power consumption

RTC Battery life

110..300V AC/DC (ANC-8) 48 .. 300V AC/DC (ANC-16) 45..65 Hz < 5VA (ANC-8) < 3W (ANC-8) < 7.5VA (ANC-16) < 5W (ANC-16) > 5 years



Input signal voltage values: 24V, 48V, 110V and 220V AC/DC Front panel buttons for alarm deletion, relay control and display tests 2 relay outputs; "HORN" and "ALARM" relays 96*96 mm. size box



Supply Voltage (U_N)

Input Signal Voltages Voltage Tolerance Number of Inputs Input Impedance 24V AC/DC, 48V AC/DC 110V AC/DC, 220V AC/DC Same as supply voltage values +-%30 x UN 6

>230 KΩ

Number of Outputs

Output Relays Maximum Switching Current Maximum Switching Voltage Maximum Switching Power 6 Channel-Relay Output 1 Horn-Relay Output 1 Alarm-Relay Output 1 NO 5A 250V AC 1250 VA



Input signal voltage values: 24V, 48V, 110V and 220V AC/DC 96*96 mm. size box Easy marking Marking with printouts Elegant design



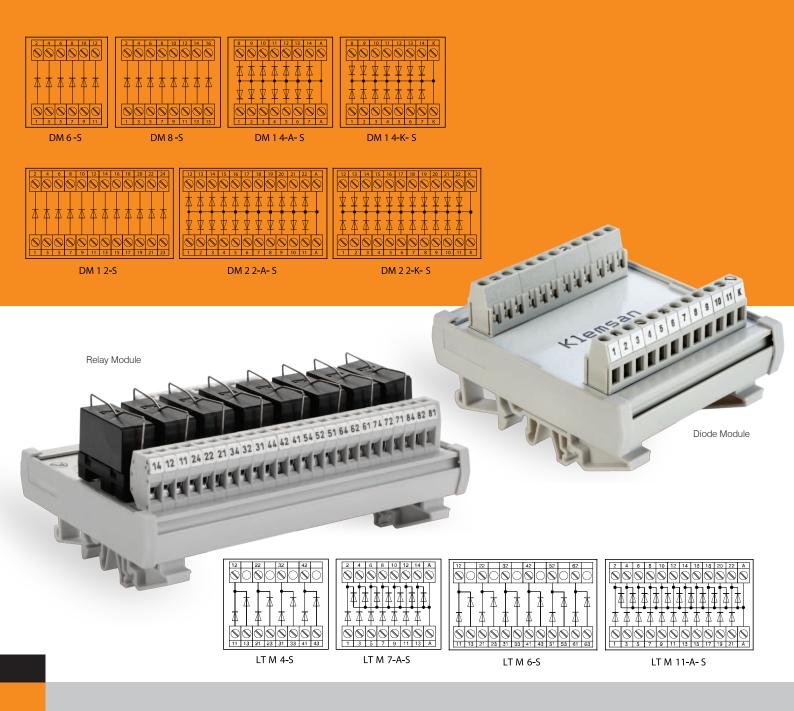
Operating Temperature -20 °C...60 °C Storage Temperature Dimensions Portection Class

-40 °C...75 °C 96*96*72 mm IP50 front side IP20 rear side





LED indicators Models with 1/2/4 and 8 relay(s) Input voltage values 24V, 110V and 220V AC/DC Single contact or double contact models Models with relay sockets or directly soldered relays Common anode and cathode models Models with different number of diodes Lamp test modules



Specifications

Contact Current Rated Voltage Max. Breaking Voltage Rated Breaking Capacity Pick Up Time Release Time Min Operating Temperature Max. Operating. Temperature 8A 250VAC 440VAC 2000 VA 7ms 9ms -25'C 50'C



www.klemsan.com.tr

Factory

Kemalpaşa Yolu 3. Km 35170 IZMIR / TŮRKEY Tel: (+90 232) 877 08 00 Fax: (+90 232) 877 08 06

U.A.E.

Z Building Z 57 Saif Zone Sharjah UAE Tel: +971 6-557 37 10 Tel: +971 56-760 28 37

Klemsa

Moscow 107140 Russia Moscow Street V.Krasnoselskaya Dom 3 Str.1 Office 503 Tel: +7 495 956 22 63 Fax: +7 495 956 22 63

USA

255 West Martin Luther King Blvd. Unit 1511 28202 - Charlotte NC Tel: +1 980 226 0688

8 6 9 6 9 6 9 6 9 4 9 6 3

St. Petersbug 194044, Russia St-Petersburg B. Sampsonievskiy pr.32 Tel: +7 812 969 44 63 Fax: +7 812 969 44 63

Ukraine

6-8A, Yaroslava Ivashkevicha str. 04074, Kiev, UKRAINE Tel: +380 637 217 185 SE

Ekaterinburg

Russia, Ekaterinburg. Pereulok Melkovskiy D.5 litera B. Tel: +7 343 266 70 11 Fax: +7 343 319 10 30

India

Unit no. 1A - 1B Chandraprabhu 637/A Deccan Gymkhana Pune 411005 Maharashtra INDIA Tel: +91 735 001 3997 Fax: +91 976 370 3946