CD AUTOMATION KEY PAD FOR THYRISTOR UNIT OR CD-NEXT



GENERAL DESCRIPTION

- LOCAL / REMOTE FACILITY
- SET POINT RAMP UP DOWN
- SCROLL SELECTION OF:
 - SET POINT POWER
 - POWER READ OUT
 - CURRENT
 - VOLTAGE
- DISPLAY INDICATION FOR:
 - HEATER BREAK ALARM
 - SCR SHORT CIRCUIT
- COMPLY WITH EMC, (MARKED

- Possibility to communicate with THYRISTOR UNIT OR CD-NEXT.
- PLUG-IN CONNECTOR ON FRONT KEY PAD TO USE SOFTWARE CONFIGURATOR
 - POSSIBILITY FOR EXPERT TO READ ALL THYRISTOR UNIT'S PARAMETERS.
 - POSSIBILITY FOR EXPERT TO CHANGE CONFIGURATION PARAMETERS
- RETRANSMISSION (4÷20 MA OR 0÷10 V) OF ONE OF THESE PARAMETERS:
 - POWER PV, CURRENT, VOLTAGE

TECHNICAL SPECIFICATION

Operating temperature

Voltage power supply Consumption

Display 1

Display 2

Display 3

Units driven

Scale range

Wiring Protection

Communication

Retransmission

Local/Remote

Screw terminals Ip30 RS485 Modbus

± 1999 3 Digit

Power Setpoint

via RS-485.

 $0 \div +45^{\circ}C (HR < 90\%)$

115-230 Vac ±10% 50-60 Hz

Insolated $4 \div 20 \text{ mA}$, impedance 500Ω or $0 \div 10V$, impedance $1K\Omega$. In local mode the set point is given from UP-Down. In remote mode the

CD-KP can drive 10 off CD-NEXT or 10 off Thyristor units connected

LED 7 segments 13mm to read current, voltage or power

command is given via RS485.

Up/Down This command can increase or decrease power set point in local mode. Scroll Command to read in sequence power, current or voltage and occorred

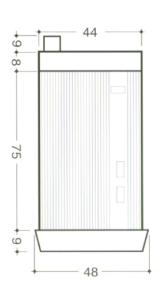
Number of selected unit or it's address

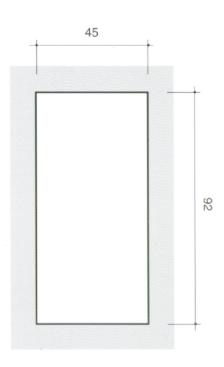
alarms.

3VA

DIMENSION







1

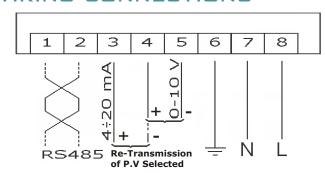
DIGITAL KEY PAD

Italian

English

The CD-KP is designed to be connected with all CD Automation's Thyristor units or CD-NEXT via RS485 communication. On front unit is possible to read in engineering units: Power, Voltage or Current. One of these variables can be selected and retransmitted via an isolated output ($4 \div 20 \text{mA}$ or $0 \div 10 \text{V}$). On front unit is also available a plug connector for RS485 thus connecting a portable PC is possible to configure the thyristor unit or CD-NEXT without to stop the process opening the door of the cubicle. In addition is possible to diagnostic faults.

WIRING CONNECTIONS



CODE	C D - K P
SERIES	
CD3000M\CD3200	1
CD3000E\MULTIDRIVE	2
CD1000	3
AUXILIARY VOLTAGE	
From 100 to 130Vac	1
From 210 to 265Vac	2
RE-TRANSMISSION	
	0
None 0÷10Vdc	0 1
None	
None 0÷10Vdc	
None 0÷10Vdc 0÷20mA	1 2
None 0÷10Vdc 0÷20mA	1 2