### 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, (EE marked**

### Technical Specification

- **Operating temperature**
  0° to +45°C (HR < 90%)
- **Voltage power supply**
  115-230 Vac ±10% 50-60 Hz
- **Consumption**
  3VA
- **Display 1**
  LED 7 segments 13mm to read current, voltage or power
- **Display 2**
  Power Setpoint
- **Display 3**
  Number of selected unit or its address
- **Units driven**
  CD-KP can drive 10 off CD-NEXT or 10 off Thyristor units connected via RS-485.
- **Scale range**
  ±1999 3 Digit
- **Wiring**
  Screw terminals
- **Protection**
  IP30
- **Communication**
  RS485 Modbus
- **Retransmission**
  Insolated 4÷20 mA, impedance 500Ω or 0÷10V, impedance 1KΩ
- **Local/Remote**
  In local mode the set point is given from UP-Down. In remote mode the 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 occurred alarms.

### 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
Digital Key Pad

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÷20mA or 0÷10V). 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

How to order your CD - KP

<table>
<thead>
<tr>
<th>SERIES</th>
<th>CODE</th>
<th>CD - KP</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD3000M\CD3200</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD3000E\MULTIDRIVE</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CD1000</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AUXILIARY VOLTAGE</th>
<th>CODE</th>
<th>CD - KP</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 100 to 130Vac</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From 210 to 265Vac</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RE-TRANSMISSION</th>
<th>CODE</th>
<th>CD - KP</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0÷10Vdc</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0÷20mA</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4÷20mA</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>USER'S MANUAL</th>
<th>CODE</th>
<th>CD - KP</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Italian</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>