REVO KP2 for Thyristor Units

- Up to 6 zone can be managed
- 4.3, 7.0, 10" Colour Display
- Trend display
- Thyristor Configuration Recipe Manager
- Multi Language Interface
- For REVO M, REVO CL, CD3000E CUSTOM and MULTIDRIVE.

OPERATOR PAGE

FOUR ZONE PAGE VIEW

<table>
<thead>
<tr>
<th>ZONA1</th>
<th>%</th>
<th>Pw (kW)</th>
<th>V</th>
<th>A</th>
<th>Status</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>46</td>
<td>232</td>
<td>20.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZONA2</td>
<td>61</td>
<td>40</td>
<td>242</td>
<td>22.0</td>
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<td></td>
</tr>
<tr>
<td>ZONA3</td>
<td>51</td>
<td>46</td>
<td>243</td>
<td>20.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZONA4</td>
<td>62</td>
<td>53</td>
<td>243</td>
<td>22.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Generic Alarm Status
- Current Graph
- Trend Display Push Button for each zone

SIX ZONE PAGE VIEW

<table>
<thead>
<tr>
<th>ZONA1</th>
<th>%</th>
<th>Pw (kW)</th>
<th>V</th>
<th>A</th>
<th>Status</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>60</td>
<td>251</td>
<td>24.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZONA2</td>
<td>21</td>
<td>20</td>
<td>240</td>
<td>32.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZONA3</td>
<td>34</td>
<td>46</td>
<td>255</td>
<td>36.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZONA4</td>
<td>35</td>
<td>48</td>
<td>257</td>
<td>36.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZONA5</td>
<td>13</td>
<td>8</td>
<td>235</td>
<td>30.2</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>35</td>
<td>50</td>
<td>259</td>
<td>36.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The target of this panel is to make easier, intuitive the interface with the operator during the configuration or the day by day operation
- Switch on the HMI and you can interact with it without reading the manual.
- This HMI can be used also to store the recipes with configuration of each zone and download it whenever necessary
- On one page it's possible to see all the main parameters of the six zones
- Each parameter can be recorded and is possible to see recent and historical trend for all the time that the HMI is switched on
- The pricing is competitive because it's price divided on six units
- Three access levels are available

REVO KP2 can be connected with 6 zones. The operator Page can display 4 or 6 zone depending by the page selected. Pushing the zone name is possible to see the advanced parameter and setting page for each zone.
Some indicators are available for each zone:

- Digital Input 1 and 2 Status
- Heater Break and Short Circuit Alarm
- Pressing the Reference Value Cell, a pop up area will be opened. By using the selector it is possible to switch between Analog Input (ex: coming from Temperature Controller) and Manual Mode (ex: coming from the HMI).
- Touching the Reference, a pop up area will be opened with a numeric keypad to insert the reference value for "Manual Mode".
- Touching the zone name, the “Advanced Page” will be displayed.
- Possibility to switch OFF one or more zones.
- Up to N°4 Generic Process Variables can be displayed on the bottom row, by using EZ modules. This stand alone modules are available with 4:20mA, 0:10V, Pt100 or Thermocouple input and Modbus RTU Slave Port.
- Some indicators are available for each zone:
  - Digital Input 1 and 2 Status
  - Heater Break and Short Circuit Alarm
  - Pressing the Reference Value Cell, a pop up area will be opened. By using the selector it is possible to switch between Analog Input (ex: coming from Temperature Controller) and Manual Mode (ex: coming from the HMI).
  - Touching the Reference, a pop up area will be opened with a numeric keypad to insert the reference value for "Manual Mode".
- Zone Parameter details
- Alarm
- Digital Input Status
- Feedback Display
**SETTING PAGE**

Up to Nº3 Different Password Level Can Be Set

When REVO E or Multidrive zone is available, Nº3 b. graph will be displayed the current of the three phase.

When REVO E or Multidrive zone is available the current value display the average value of the three phase.

Multi Language System: English, Italian, French, German, Russian, Portuguese, Spanish and Chinese Simplified are available.

Is possible to set the default operator page template: 4 or 6 Zone Max.

For each zone it is possible to set a tag that will contain the name of the zone and the type of unit: REVO M—CL—E or Multidrive

Some indicators are available for each zone:
- Digital Input 1 and 2 Status
- Heater Break and Short Circuit Alarm
- Short Circuit Alarm

The zone displayed for each page can be from 1:4 for the Four Zone Operator Page or from 1:6 for the Six Zone Operator Page.

If the number of zone is less than Four/Six, the unused row will be cleared.

**TREND PAGE**

For zone loop is available a Trend page dedicated to the graphical display of the measured value. In the graph each square represents 2 minutes, then the screen will show an horizon of 10 minutes. Regarding measured value, it is possible to set it or maintain in automatic scaling (default).

Description of the file:

- **Reference Value**: % Power Requested by Temperature Controller/Multiloop/PLC/DCS e
- **Voltage**: Average Voltage (V)
- **Power**: Average Power (kW)

- **Current**: With REVO M 1PH and REVO CL the average value measured on the single phase units is displayed. With REVO M 2-3PH again only one average is an average value of the three phase. With REVO E and Multidrive -3PH Nº3 average current are
REVO KP2  Touch Panel from 4.3” up to 10” TFT Colour Display

ORDERING CODE

<table>
<thead>
<tr>
<th>SCREEN DIMENSION</th>
<th>RKP2</th>
<th>07</th>
<th>ETH</th>
<th>UL</th>
<th>000</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3”</td>
<td>04</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.0”</td>
<td>07</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>10.0”</td>
<td>10</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Communication & Certification

- Modbus RTU and CE: M, CE
- Ethernet + Modbus RTU and CE + UL: ETH, UL

VERSION

Version: 6 Mixed Zone Max. 006

LAB SETTING SERVICE

RKP2 - LAB - 00

Set the No. off zone (01 to 6) to get
HMI and

TC configured and tested based on your specification. Customer must give a complete detailed description of all the zone.

BASIC SYSTEM FOR REVO CL

RS485 Modbus

M

S