



# REVO KP2

## Graphic operating terminals for Thyristor Units



### REVO KP2 for Thyristor Units

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

### OPERATOR PAGE

#### FOUR ZONE PAGE VIEW

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	52	46	232	20.0		D1 D2
ZONA2	61	40	242	22.0		D1 D2
ZONA3	51	46	243	20.0		D1 D2
ZONA4	62	53	243	22.0		D1 D2

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

#### SIX ZONE PAGE VIEW

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	70	60	251	24.0		D1 D2
ZONA2	21	20	240	32.5		
ZONA3	34	46	255	36.5		
ZONA4	35	48	257	36.7		
ZONA5	13	8	235	30.2		
ZONA6	35	50	259	36.6		

- **The target of this panel is to make easier, intuitively 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 to read the manual.
- This HMI can be used also to store the recipes with **configuration of each zone and download it when 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 its price is 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.

## OPERATING PAGE

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	70	60	251	24.0	D1 D2	
ZONA2	21	20	240	32.5		
ZONA3	34	46	255	36.5		
ZONA4	35	48	257	36.7		
ZONA5	13	8	235	30.2		
ZONA6	35	50	259	36.6		

Touching the zone name, the "Advanced Page" will be displayed.

When REVO E or Multidrive zone is available, N°3 bargraph will be displayed the current of the three phase.

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

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	72	60	253	24.0	D1 D2	
ZONA2	50	OFF	231	20.0	D1 D2	
ZONA3	54	46	0	20.0	D1 D2	
TEMP1	TEMP2	TEMP3	TEMP4			
12.4 °C	11.6 °C	12.0 °C	0.0 °C			

Possibility to switch OFF one or more zone.

Up to N°4 Generic Process Variable can be displayed on the bottom row, by using -E modules. This stand alone modules are available with 4:20mA, 0:10V, Pt100 or Thermocouple input and Modbus RTU Slave Port.

MENU	ZONA1	A	Status	Trend
ZONA1	Comando	0	D1 D2 HB	
ZONA2	Digitale	0	D1 D2	
ZONA3	Analogico	0	D1 D2	
ZONA4	Riferimento	0	D1 D2	
ZONA5	41 %	0	D1 D2	
ZONA6	Chiudi	0	D1 D2	

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 is possible to switch between Analogue 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"

ZONA1	D1 Force PA	D2 Enable	HB	CL
Reference	Power	Voltage	Current	
100 %	1 kW	66 V	20.0 A	
Digital	ON	Acc.: PA	Feedback: V	
Analogico	OFF	Load (A): 40	Load (V): 218	
Max Ref. 100				Back

- Zone Parameter details
- Alarm
- Digital Input Status
- Feedback Display



## SETTING PAGE

MENU	%	Pw	V	A	Status	Trend
ZONA1	11	11	80	128	0	D1D2
ZONA2	User1		Livello 0			
ZONA3						
ZONA4	*					
ZONA5						
ZONA6	0	OFF	0	0.0		D1D2

Up to N°3 Different Password Level Can Be Set

When REVO E or Multidrive zone is available, N°3 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.

Tag	Type	Start with	Language
ZONA1	REVO	6 Zone	ENG
ZONA2	REVO		
ZONA3	REVO		
ZONA4	REVO		
ZONA5	REVO		
ZONA6	REVO		

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

It 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

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	72	60	253	24.0		D1D2
ZONA2	50	OFF	0.0	0.0		D1D2
TEMP1	TEMP2	TEMP3	TEMP4			
12.4 °C	11.6 °C	12.0 °C	0.0 °C			

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.

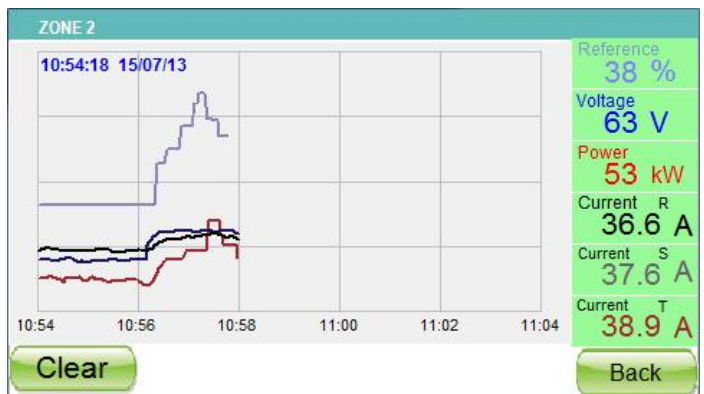
If the number of zone is less than Four/Six, the unused row will be cleared.

## TREND PAGE

For zone loop is available a Trend page dedicated to the graphical display for 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 field

- 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 N°3 average current are



# REVO KP2 Touch Panel from 4.3" up to 10" TFT Colour Display



4.3" TFT LCD 480x272



7.0" TFT LCD 800x480



10.0" TFT LCD 800x480

ORDERING CODE	RKP2	-	07	-	ETH	-	UL	-	000
SCREEN DIMENSION									
4,3"			04						
7.0"			07						
10.0"			10						
<b>Communication &amp; Certification</b>									
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 N° o zone (01 to 6) to get HMI and							01		
TC configured and tested based on your specification. Customer mu give a complete detailed description of all the zone							06		

## BASIC SYSTEM FOR REVO CL

