

# REVO KP3

Graphic operating terminals for Thyristor Units

## REVO KP3 for Thyristor Units

- Up to 6 zones can be managed
- 4.3", 7.0", 10" Colour Display
- Trend display
- Multi Language Interface
- For REVO C and REVEX



## OPERATOR PAGE

### Four zones page view

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	72	60	253	24.0	THD1D2	
ZONA2	50	OFF	231	20.0	THD1D2	
ZONA3	54	46	0	20.0	THD1D2	
ZONA4	50	OFF	231	20.0	THD1D2	

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

### Six zones page view

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	51	46	232	20.0	THD1D2	
ZONA2	53	OFF	233	20.0	THD1D2	
ZONA3	70	60	233	24.0	THD1D2	
ZONA4	52	46	233	20.0	THD1D2	
ZONA5	73	60	254	24.0	THD1D2	
ZONA6	52	46	233	20.0	THD1D2	

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

REVO KP3 can be connected with 6 zones. The operator page can display 4 or 6 zones depending by the page selected. Pushing the zone name is possible to see advanced parameter and setting page for each zone.

# OPERATING PAGE

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	51	46	232	20.0		
ZONA2	53	OFF	233	20.0		
ZONA3	70	60	233	24.0		
ZONA4	52	46	233	20.0		
ZONA5	73	60	254	24.0		
ZONA6	52	46	233	20.0		

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

When 3PH version zone is available the current value display the average value of the three phase.

Possibility to switch OFF one or more zones.

MENU	%	Pw (kW)	V	A	Status	Trend
ZONA1	72	60	253	24.0		
ZONA2	50	OFF	231	20.0		
ZONA3	54	46	0	20.0		

TEMP1	TEMP2	TEMP3	TEMP4
12.4 °C	11.6 °C	12.0 °C	0.0 °C

Up to n° 4 Generic Process Variable can be displayed on the bottom row, by using TU-E 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, Short Circuit and Thermal Alarm.

MENU	%	ZONA1	Status	Trend
ZONA1	51	Command		
ZONA2	53	Digital		
ZONA3	70	Analogue		
ZONA4	52	Reference		
ZONA5	73	0 %		
ZONA6	52	Close		

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 % value, 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 %	100 %	66 V	20.0 A	
Digital	ON	Acc.: PA		
Analogue	OFF	FeedBack: V		
	Max Ref. 100	Load (A): 40		
		Load (V): 218		
		Back		

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

## SETTING PAGE

Log in

User1

Actual Level 0

OK

TEMP1 12.4 °C TEMP2 11.6 °C TEMP3 12.0 °C TEMP4 0.0 °C

Up to n°3 different password levels can be set.

Tag	Tipo
ZONA1	REVO C
ZONA2	REVO C
ZONA3	OFF
ZONA4	Com Statu
ZONA5	REVO C
ZONA6	REVO C

Parti con 6 Zone

Lingua ITA

DEMO OFF

Info + Monitor

Password ETERNET

Back

It's possible to set the default operator page template: 4 or 6 zones Max.

Multi-language System

For each zone is possible to set a tag that will contain the name of the zone and the type of unit.

Some indicators are available for each zone:

- Digital input 1 and 2 Status
- Heater Break and Short Circuit Alarm
- Short Circuit Alarm.

MENU % Pw (kW) V A Status Trend

ZONA1 72 60 253 24.0 TH D1 D2 HBHSC

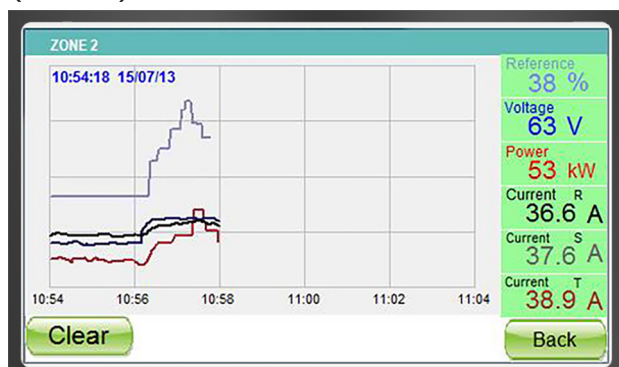
ZONA2 50 OFF 231 20.0 TH D1 D2

TEMP1 12.4 °C TEMP2 11.6 °C TEMP3 12.0 °C TEMP4 0.0 °C

The zones displayed for each page can be from 1:4 for the Four Zones Operator Page or from 1:6 for the Six Zones Operator Page. If the number of zones 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, is possible to set it or maintain in automatic scaling (default).

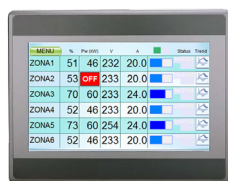


### Description of the fields:

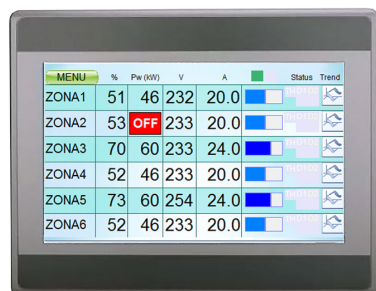
- **Reference Value:** % power requested by Temperature Controller/Multiloop/PLC/DCS
- **Voltage:** Average Voltage (V)
- **Power:** Average Power (kW)
- **Current:** with REVO C 1PH the average value measured on the single phase units is displayed. With REVO C 2-3PH again only one average is an average value of the three phase.



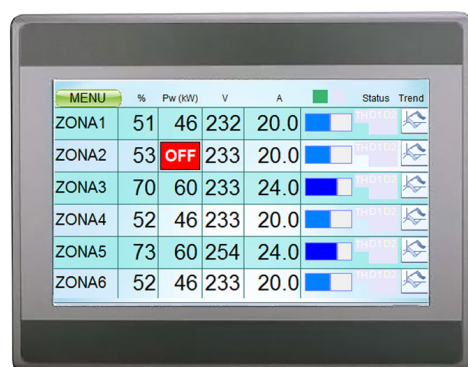
# REVO KP3 touch panel from 4.3" up to 10" TFT Colour Display



4.3" TFT LCD



7.0" TFT LCD



10.0" TFT LCD

Order Code										
1	2	3	4		5	6		7		8
R	K	P	-	-	-	-	-	-	-	-

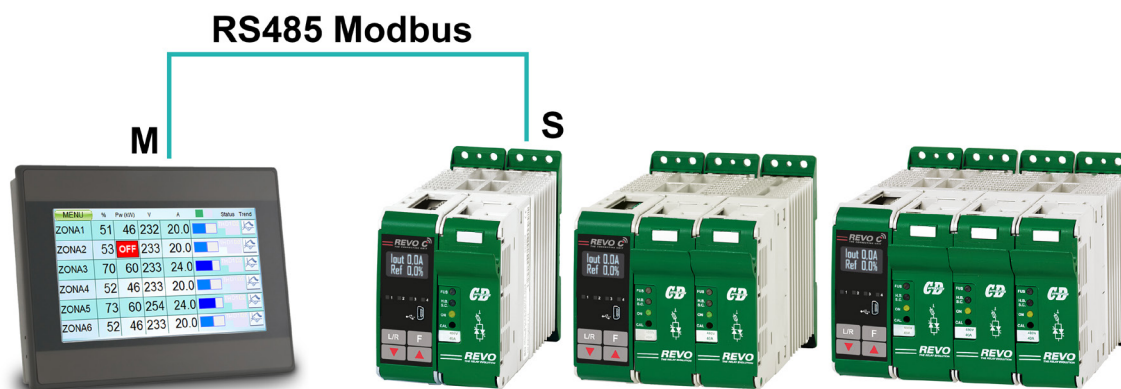
Version	4
description	code
Version 3 for Revo C and Revex	3

Screen dimension	5	6
description	code	
4.3"	0	4
7.0"	0	7
10.0"	1	0

Communication	7	8
description	code	
MODBUS RTU + Ethernet	M	ETH

Approvals	9	10
description	code	
CE	0	0
CE + UL	U	L

## BASIC SYSTEM for REVO C and REVEX



[www.cdautomation.com](http://www.cdautomation.com)