



REVO HMI

Graphic operating terminals for modular control



REVO HMI for REVO TC

- Up to 30 zone can be managed
- For Revo TC 1-2-3PH and REVO TCM
- 4.3, 7.0, 10" Colour Display
- Trend display
- Recipy Management
- Warm up Planner
- Multi Language Interface (EN, DE, IT and FR)

OPERATOR PAGE

FOUR LOOP PAGE 4.3", 7.0" and 10" HMI

OPERATOR PAGE - 1						
Description	ON-OFF	Set	Value	Power	Alarms	Deviation
ZONE 1		120	35	100		
ZONE 2		122	30	100		
ZONE 3		130	28	100		
ZONE 4		130	29	100		

Each project can manage up to 30 loops. The operator Page can display 4 or 8 loops depending by the HMI and by the setup of the project. Pushing the zone description area is possible to see the advanced parameter and setting page for each zone.

FOUR & EIGHT LOOP PAGE DISPLAY

- Zone description (editable by user)
- ON/OFF Push Button
- Setpoint display and setting
- Temperature measured display
- Power Output Value
- Generic Alarm Status
- Deviation Graph
- Trend Display Push Button for each zone

EIGHT LOOP PAGE 7.0" and 10" HMI

OPERATOR PAGE - 1						
Description	ON-OFF	Set	Value	Power	Alarms	Deviation
Zone 1 - CYL.EXTRUDER		110	80	100		
Zone 2 - CYL.EXTRUDER		110	80	100		
Zone 3 - CYL.EXTRUDER		110	80	100		
Zone 4 - CYL.EXTRUDER		100	75	100		
Zone 5 - CYL.EXTRUDER		110	80	100		
Zone 6 - CHANGE FILTER		90	60	100		
Zone 7 - CONDUCT 1		110	80	100		
Zone 8 - PUMP		85	50	100		

ADVANCED OPERATING PAGE

ADVANCED PARAMETER PAGE - Zone 1

SETPOINT & VALUES		ALARMS & STATUS		HEATER BREAK	
Set	200	Value	15	AL1=Deviation	20
Heating %	100	AL2=Maximun	300	Threshold Alarm	1.5
Cooling %	0			Actual Current	*****
TUNES PARAMETERS					
PB=Proportional Band	4.0	RC=Relative Cool Gain	0.30		
TI=Integral Time	2.40	OLAP=Overlap Heat/Cool	0		
TD=Derivate Time	0.60	Pretune	Selftune		

<< Home Alarms Back ALL >>

CONTROL PARAMETERS

- Proportional Band
- Integral Time
- Derivative Time
- Cooling gain
- OLAP
- Pre Tune Activation
- Self Tune Activation

For each loop is available an advanced page with the following parameters and alarm. The parameters with light blue colour can be setted on this page. This page can be displayed touching the zone name on the main operating page. Touching the arrow keys, is possible to move to the next zone or to move on the previous zone.

SETPOINT and MEASURE

- Setpoint
- Measure
- % Heat and % Cool

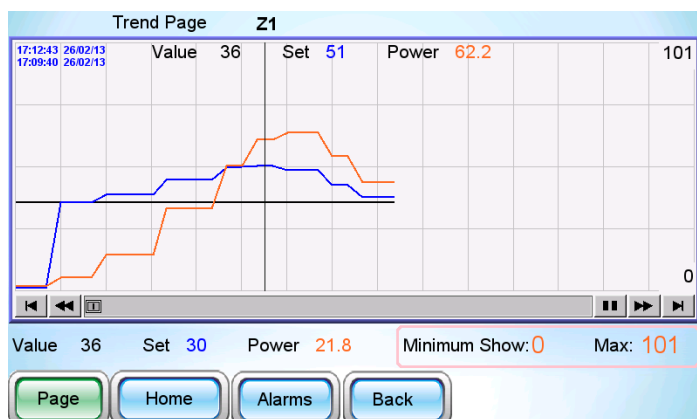
ALARM STATUS

- Alarm 1 Deviation (default)
- Alarm 2 Max Temperature (default)
- Alarm 3 not configured (default)

HEATER BREAK ALARM

- HB Alarm Status
- Short Circuit Alarm Status
- Alarm threshold
- Current Value Setting

TREND PAGE

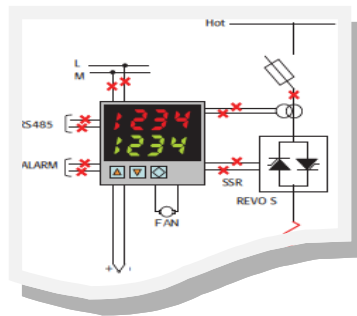


For each loop is available Trend page dedicated to the graphical display of setpoint value and temperature control, view over time. Each square represents 1 minute, then the screen will show every 15 minutes. With 24 loop operating page, includes the graphical display of 4 loops.

Description of the fields:

- **Set:** View here the temperature set point adjustment. At the time here is touched at a point graph.
- **Value:** Displays the value of temperature in the area. At the time here is touched at a point graph.
- **Power:** Power adjustment percentage of the temperature zone.
- **Minimum Show:** It 'an adjustable value, where the operator decides the minimum visible scale.
- **View Maximum:** It 'an adjustable value, where the operator decides the maximum visible scale.

REVO TC 1-2-3PH



REVO TC: INTEGRATED CONTROL SOLUTION

- Control and Power in one Unit
- Controller + Solid State Relay + Extrarapid Fuse + Fuse Holder = REVO TC
- Wiring & Labour Savings
- An immediate cost saving in reduced labour of 2 hours by not connecting 11 wires per zone.

ALARM PAGE

ALARMS Page 1

12/02/13	18:01:02	Zone 16 - In Alarm
12/02/13	18:00:47	Zone 15 - In Alarm
12/02/13	18:00:32	Zone 14 - In Alarm
12/02/13	18:00:16	Zone 13 - In Alarm
12/02/13	18:00:00	Zone 12 - In Alarm
12/02/13	17:59:44	Zone 11 - In Alarm
12/02/13	17:59:27	Zone 10 - In Alarm
12/02/13	17:59:11	Zone 9 - In Alarm
12/02/13	17:58:46	Zone 8 - In Alarm
12/02/13	17:58:22	Zone 7 - In Alarm
12/02/13	17:58:02	Zone 6 - In Alarm

TEST Historical

Home Alarms Back Read HIDE

23/06/12

ALARM HISTORY

23 - 06 - 12	00:26:50	Zone 7 Alarm 1
23 - 06 - 12	00:28:14	Communication Alarm
23 - 06 - 12	00:28:18	Zone 9 Alarm 1
23 - 06 - 12	00:28:19	Communication Alarm
23 - 06 - 12	07:40:05	Zone 9 Alarm 2
23 - 06 - 12	07:40:40	Zone 7 Alarm 1
23 - 06 - 12	08:40:05	Zone 7 Alarm 1

TEST Historical

Home Alarms Back Read HIDE

RECIPES PAGE

MANAGE RECIPES

Name: LASTRA 1 1

Save in HMI Show Send to Devices

Home

RECEIPE A234			
Description	Set	Description	Set
Zone 1 Extruder	100	Zone 9 PUMP	105
Zone 2 Extruder	105	Zone 10 HEAD	90
Zone 3 Extruder	95	Zone 11 HEAD	90
Zone 4 Extruder	105	Zone 12 HEAD	105
Zone 5 Extruder	98	Zone 9 PUMP	98
Zone 6 Extruder	105	Zone 10 PUMP	98
Zone 7 Cylinder	80		
Zone 8 Cylinder	80		

01 OK

ADVANCED SETTING PAGE

Advanced Setting Page: It's very easy to add or remove one zone on the software. Each loop can be enabled or disabled by pressing a push button. For each zone is possible to set a string name.

TEMPERATURE CONTROL V0.1
SYSTEM PAGE

Set Screen Used CPU

Dispositiv

SET C

Set

DEVICE

1: ON	2: ON	3: ON	4: ON	5: ON	6: ON	7: ON	8: ON
9: ON	10: ON	11: ON	12: ON	13: ON	14: ON	15: ON	16: ON
17: OFF	18: OFF	19: OFF	20: OFF	21: OFF	22: OFF	23: OFF	24: OFF
25: OFF	26: OFF	27: OFF	28: OFF	29: OFF	30: OFF		

OK Home

TURN ON WITH CLOCK

ON-OFF Description DD HH MM

Day of Month AND TIME 0 0 0

SET CLOCK

DD MM YY DAY HH MIN

12 2 2013 2 18 4

Home Alarms Back

HMI 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	RHMI	-	07	-	M	-	000
SCREEN DIMENSION							
4,3"			04				
7.0"			07				
10.0"			10				
CONTROLLER TYPE & COMM.							
REVO TC 1-2-3PH and REVO TCM Controller				M			
VERSION - OPERATING PAGE							
4 Loop Display on Operating Page							004
8 Loop Display on Operating Page							008
LAB SETTING SERVICE	RHMI	-	LAB	-	00		
Set the N° off zone (01 to 30) to get HMI and					01		
TC configured and tested based on your specification. Customer must give a complete description of all the zones.					30		

HARDWARE HMI— DATASHEET CODE	
4.3"	CD HMI— 04— 0
7.0"	CD HMI— 07— 0
10.0"	CD HMI— 10— 0

BASIC SYSTEM FOR REVO TC

