Profiler HMI
Up to 30 Programmable control loop

GENERAL DESCRIPTION

- Up to 30 zone can be managed

- 7.0 and 10" Colour HMI

- Trend display for each loop

- Recipe Program Management

- Fuji PUM Multiloop temperature controller.

- Each loop can manage one program of N°4 segment (Ramp SP1-Soak - Ramp to SP2– Soak)

Each project can manage up to 30 loops. The operatore Page can show up to 8 loops. Pushing the zone description area is possible to see the advanced parameter and setting page for each zone.

- Zone Name Description

- ON/OFF Zone Push Button

- Setpoint display and setting

- Temperature measured displays

- Generic Alarm Status

- Deviation Graph

- Trend Display Push Button for each zone

- Power Output Value

ADVANCED OPERATING PAGE

For each zone is available an advanced page where is possible to see and modify 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. With page button, is possible to shift to the next zone.

SETPOINT and MEASURE

- Setpoint and Measure

- % Heat and % Cool

ALARM STATUS

- Alarm 1 Deviation (default)

- Alarm 2 Max Temperature (default)

- Sensor Input Configuration

SINGLE PROGRAM PARAMETERS AND KEYS

- SP1—SP2 setting

- Ramp and Dwell setting

- Dedicated Run, Stop and Hold of the single Program.

CONTROL PARAMETERS

- Proportional Band

- Integral Time

- Derivative Time

- Cooling gain

- OLAP

- Pre Tune Activation

- Self Tune Activation

RECIPE PAGE - PROGRAM OVERVIEW AND SETTING

Name:	RECIPE1						
Description	Set1	H:M ramp	H:M Soak	Set2	H:M ramp	H:M Soak
Z1	51	0.04	0.01	21	0.04	0.01
Z2	52	0.04	0.01	22	0.04	0.01
Z3	53	0.04	0.01	23	0.04	0.01
Z4	54	0.04	0.01	24	0.04	0.01
Z5	55	0.15	0.02	25	0.05	0.03
Z6	56	0.16	0.02	26	0.02	0.02
Z7	57	0.17	0.02	27	0.02	0.02
Z8	58	0.18	0.02	28	0.02	0.02

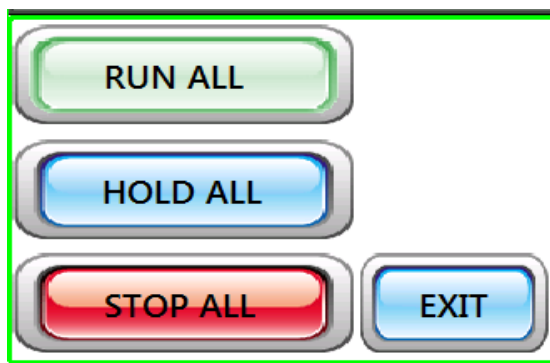Pag 1   Show Recipes   -   01   +   OK

- Up to N°41 Recipes can be stored and named

- Each Recipe Include up to N°30 Program of 4 segment

- Each Program include (SP1, Ramp Time SP1 and Soak Time SP1, SP2, RAMP Time SP2 and Soak).

- All the program of one receipe can be setted from Recipe Page or setted from each one Advanced Page.

- Each Recipe Page display up to 8 zones. Pressing the arrow keys is possible to see all the program included in the recipe.

HARDWARE: FUJI PUM MULTI LOOP + REVO S + TU-RS485 ETH IO DL

- PUM A = N°4 Controller Heating Only

- PUM B= N°2 Controller Heating&Cooling

- PUM Output: SSR, Relay or 4:20mA

- Input Pt100/TC (200mS) or 4:20mA (100mS).

- TU-RS485-ETH-IO-DL: Ethernet, Data Logger, Logic Sequencer, IO, Web and Mail Server.

- Heater Break Alarm available with REVO S + HB Option.

PROGRAM FEATURE

RUN ALL

HOLD ALL

STOP ALL   **EXIT**

OPERATOR POP UP

SP	Ramp	Dweel
1	51	0.04	0.01
2	21	0.04	0.01

Stop   RUN   HOLD

Status: Start   Step: 1

ADVANCED PAGE DETAILS Zone 1

Pushing the START button on the menù is possible to open an Operator Pop Up , where is possible to Run, Hold or Stop concurrently all the program stored for each loop.
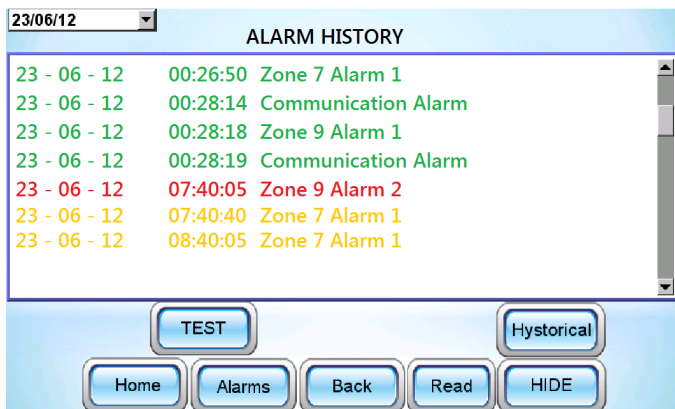
Pushing the Zone Name is possible to move to the Advanced Page. Inside this page is possible to:

- Set up one program with N°2 SP dedicated to the selected zone.

- Stop, Run or Hold only the selected program. The other program will remain in their status without to be influenced by the action done with the selected loop.

Note: all program are indipendent, as a standard the soak band auto hold function is disabled on PUM.
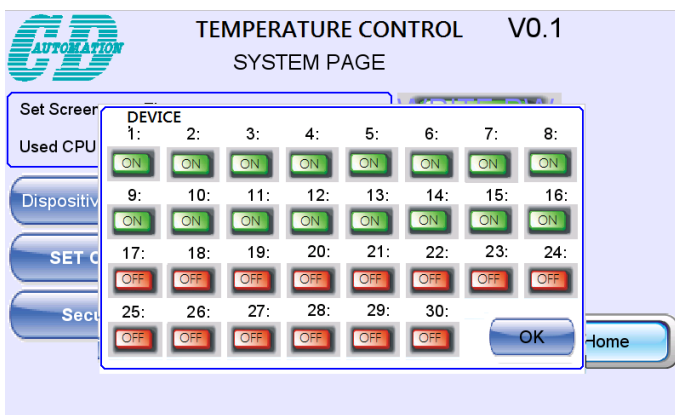
ALARM PAGE AND ALARM HISTORY

This page is available to collect all the loop's alarms. Inside this page is possible to see the type of Alarm, the Data and the time. There are three different colur:

- Green, alarm terminated

- Orange, alarm acknowledged

- Red, alarm active and not acknowledged

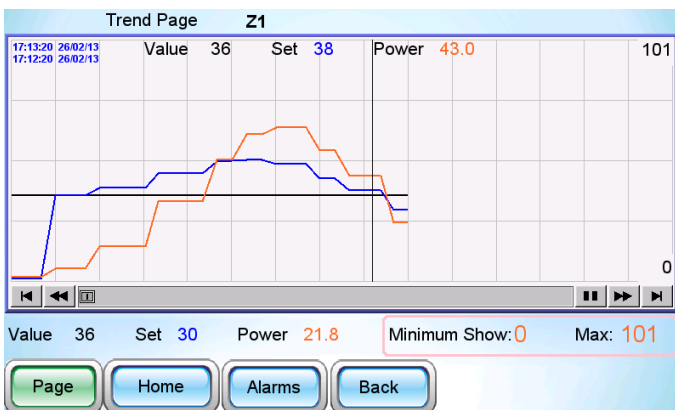 In case of alarm, the menù Alarm push button become Red.

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 dedicated name.

In this Page is also possible to set the language: English, Italian and German are available.
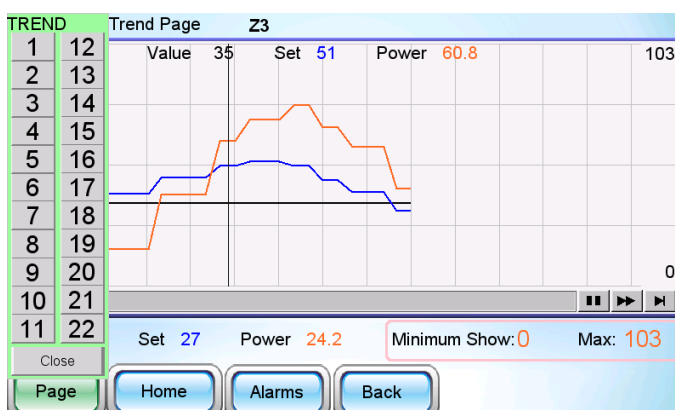
TREND PAGE

For each loop is available Trend page dedicated to the graphical display of setpoint value, temperature control and Power view over time.

Description of the fields:

- Set: View here the temperature set point adjustment.

- Value: Displays the value of temperature in the area.

- Power: Power 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.

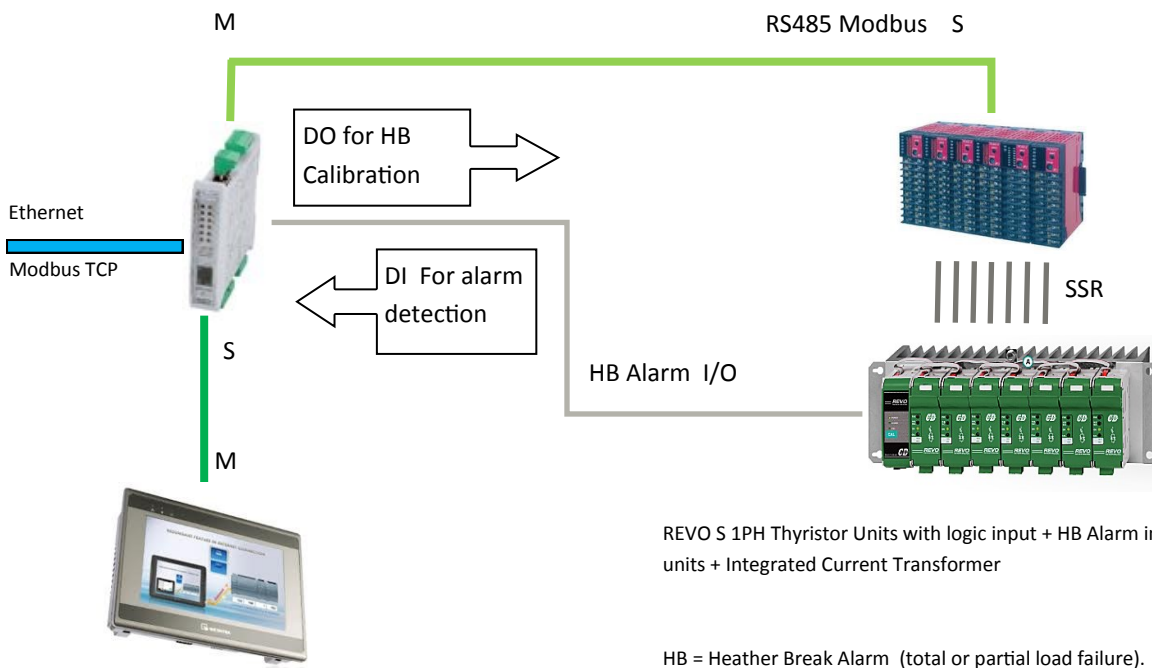# HMI Touch Panel from 7.0" up to 10" TFT Colour Display

7.0" TFT LCD 800x480

10.0" TFT LCD 800x480

ORDERING CODE	PHMI	-	07	-	P	-	008	
SCREAN DIMENSION								
7,0"			07					
10.0"			10					
CONTROLLER TYPE & COMM.								
FUJI PUM Profiler + Ethernet TU-RS485-ETH					P			
VERSION								
Standard 8 loop per page view.							008	
Other							XXX	

LAB SETTING SERVICE	HMI	-	LAB	-	xx	
Set the N° off zone (01 to 30) to get HMI and					01	
TC configured and tested based on your speci-					up	
fication. Customer must give a complete detai-					to	
led description of all the zones.					30	

ETHERNET NODE — FUJI PUM MULTILOOP CONTROLLER

REVO S 1PH Thyristor Units with logic input + HB Alarm inside the
units + Integrated Current Transformer

HB = Heather Break Alarm (total or partial load failure).

Sc = Short Circuit Alarm on SSR