



Wall-Link

REMOTE USER INTERFACE FOR
MICROSOL II PLUS



WALLINK01-01T-11868

1. DESCRIPTION

Wall-Link is an interface intended to be used together with Microsol II plus from version 2 and above. It enables easy and quick remote access to all Microsol II plus information and setup.

2. APPLICATION

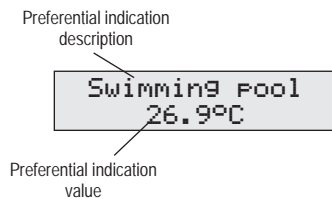
Solar heating controlling.

3. TECHNICAL SPECIFICATIONS

- Power supply: 90 - 264 Vac (50/60 Hz)
- Size: 90 x 131 x 28 mm (W x H x D)
- Operating temperature: 0 to 50°C
- Operating humidity: 10 to 90% RH (no condensation)
- Data communication: by wire - maximum distance of 1000 meters

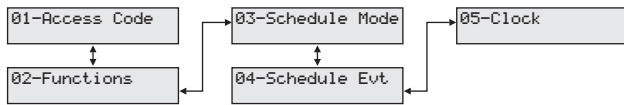
4. MAIN SCREEN

The figure below shows the main screen of Wall-Link with the system in operation.



5. FUNCTION MENU

The function menu allows configuring Microsol II plus controller functions remotely. To access the function menu press (▼) and (▲) keys simultaneously for two seconds until the functions are shown in the display. To access any function and confirm the value press (OK); to go back to the previous menu or to leave any function without confirming press (Menu). The following options are available in the function menu:

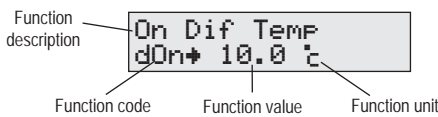


5.1 Access code

The access code 123 must be entered in this screen to enable changing functions of Microsol II plus controller. To enter the code press (OK) on the message and adjust the value that will be blinking on the display. Press (OK) again to confirm; to cancel and go back press (Menu).

5.2 Functions

In this screen all functions of Microsol II plus can be adjusted. To make changes press (OK) on the desired function and enter the value that will be blinking on the display. Press (OK) again to confirm the new value; to cancel and go back press (Menu).

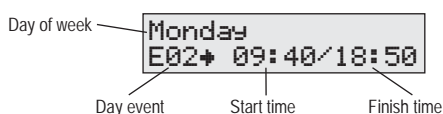


5.3 Event scheduling mode

The operating mode of Microsol II plus event scheduling can be programmed from this screen.

5.4 Event scheduling

The schedule of the remote instrument can be viewed and changed by accessing this function with the key (OK). To inform or change the configuration press (OK) on the option corresponding to the event and day of the week. Adjust the time of beginning and end of the event using the (▼) and (▲) keys, press (OK) to confirm the new value; to cancel and go back press (Menu). To go back or to leave the options press (Menu) at any time.



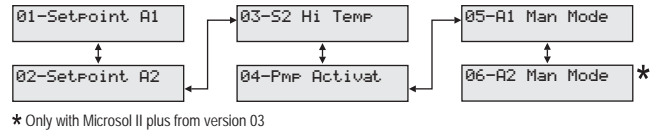
5.5 Clock adjustment

To adjust the internal clock of Microsol II plus select this function by pressing (OK). Then adjust the values using the (▼) and (▲) and press (OK) to confirm or (Menu) to cancel. To go back or to leave the options press (Menu) at any time.

6. QUICK ACCESS MENU

The quick access menu allows configuring the setpoints of supports 1 and 2, as well as the manual operating modes and the overheating temperature for sensor 1. To access this menu, press (Menu) shortly while Wall-Link main screen is displayed. To access any function and confirm the value press (OK); to

back to the previous menu or to leave any function without confirming press (Menu). The following options are available in the function menu:



6.1 Auxiliary 1 setpoint

This function allows adjusting the control temperature for auxiliary output 1.

6.2 Auxiliary 2 setpoint

This function allows adjusting the control temperature for auxiliary output 2.

6.3 Sensor 2 overheating temperature

This function allows adjusting the overheating temperature for sensor 2. When applied to swimming pools this is the limit temperature of the water (comfort temperature)

6.4 Water pump operating mode

This function allows adjusting the manual operating mode of the water pump.

6.5 Auxiliary 1 manual mode enable

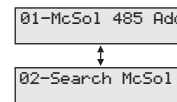
The operating mode of the auxiliary 1 output can be toggled between manual and automatic by pressing (OK) on this function.

6.6 Auxiliary 2 manual mode enable

The operating mode of the auxiliary 2 output can be toggled between manual and automatic by pressing (OK) on this function. Note: This option will be only available when the Microsol II plus is version 03.

7. ACCESS MENU FOR ADJUSTING THE CONNECTION

Upon accessing the quick access menu while Wall-Link is not connected to Microsol II plus, the user will have two functions available for adjusting the address of Microsol II plus:



7.1 Microsol II plus address

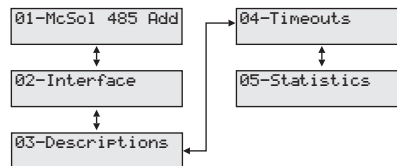
The address of Microsol II plus controller can be manually adjusted by entering this function. The value of this function must be the same value configured in Microsol II plus.

7.2 Search Microsol II plus

Pressing (OK) on this function makes Wall-Link start searching for Microsol II plus address automatically. Enter the quick access menu again to stop the automatic search.

8. SETUP MENU

The operating characteristics of Wall-Link can be adjusted through the setup menu. To access the function menu press (▼) and (▲) keys simultaneously for eight seconds until the functions are shown in the display. The following options are available in the setup menu:



8.1 McSol2 485 Add

This function allows to manually adjusting the address of the Microsol II plus controller. The value set for this function should be the same value set on the Microsol II plus.

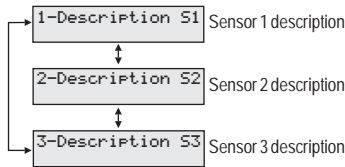
8.2 Interface

Allows adjusting the user interface characteristics:

Fun	Descrição	Min.	Máx.	Unid.	Padrão
I01	Indication	S1	All	-	S2
I02	Language	-	-	-	Port.
I03	Display contrast	1	10	-	5
I04	Display timeout	0	999	min.	0
I05	Sound signaling	Off	On	-	Off

8.3 Descriptions

Allows to adjust the Microsol II plus sensors display message. The message selected will be used on the Wall-Link main screen to indicate which temperature is being displayed.



8.4 Timeouts

Allows adjusting the timings for the RF communications:

Fun	Description	Min.	Max.	Unit	Default
T01	Time to scan for the Microsol II plus.	1	999	sec.	1
T02	Number of communication failures before error indication	1	10	-	3
T03	Delay for receiving data	60	999	msec.	200
T04	Delay for receiving events schedule	60	999	msec.	200
T05	Delay for sending functions	60	999	msec.	200
T06	Time for displaying the SPC message	25	999	x100ms	25

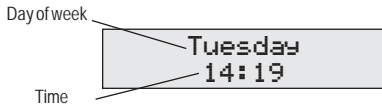
8.5 Statistics

This function allows viewing on-screen statistics on wired communication, by displaying the number of errors in requesting data from the Microsol II plus (Scan Err) and the number of errors in sending data from the functions (Rx Err).

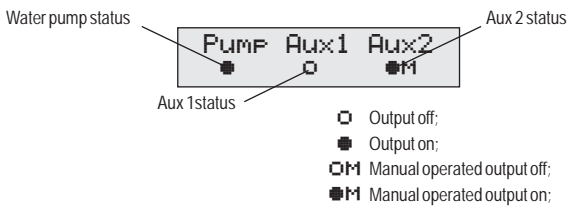
9. Other views

Pressing the key (☺) repeatedly you can view other information from the Microsol II plus. The selected visualization will remain on the display for 10 seconds and after this time it will return to the main screen. The options available are:

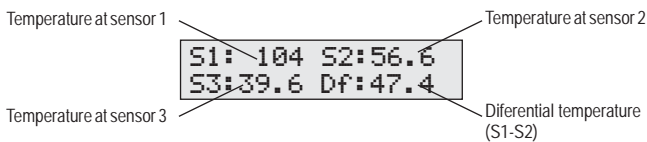
9.1 Day of week and time



9.2 Outputs status



9.3 Viewing all temperatures

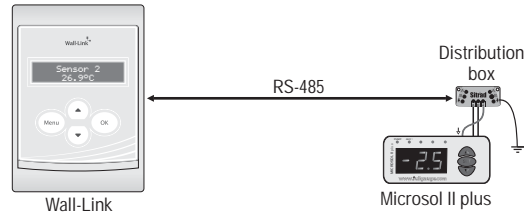


10. INDICATORS

S1 Min Temp	Alarm of minimum temperature on the sensor S1 *
S1 Max Temp	Alarm of maximum temperature on the sensor S1 *
Cant find McSol at address:1	Wall-Link is unable to locate Microsol II plus at address 1;
Hi Temp:	High temperature alarm;
Freeze Alarm:	Freezing temperature alarm;
Err	Sensor disconnected.

* Only with Microsol II plus from version 03

11. WIRING DIAGRAM



IMPORTANT

According to NBR5410 and IEC60364 standards:

Install protectors against overloads on power supply.

For more information contact our application eng. department through e-mail support@fullgauge.com or dial +55 51 3475 3308.

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