SYSTEM

www.systema.it

E1342B3

SCN	1830/	A-E1	010	

- Terminale master i²NET base per la gestione di massimo 16 moduli di rete SCBus, adatto alla т gestione di impianti di riscaldamento, raffrescatori evaporativi Master i²NET, basic version, command of 16 serial slave units.
- UK Suitable to manage heating, evaporative cooling installation.
- Terminal master i²NET de base pour la gestion à distance de **16** modules SCBus apt à la gestion F de réseaux de chauffage et de rafraîchisseurs évaporatifs.

SCM830A-F1011

	Master i ² NET base con porta di rete TCP/IP e pacchetto software Eye-Lan Lite.
UK	Master i ² NET, basic version, with serial port TCP/IP and software Eye-Lan Lite.
F	Master i ² NET base avec porte de réseau TCP/IP et paquet software Eye-Lan Lite.
	SCM830A-E1012
1	Master i ² NET base con porta di comunicazione MODBus RTU.

- UK Master i²NET, basic version, with serial port MODBus RTU
- F Master i2NET base avec porte de communication MODBus RTU

SCM830A-E1013

- Master i²NET base con porta:
- di rete TCP/IP e pacchetto software Eye-Lan Lite Т .
- di comunicazione MODBus RTU.
- Master i²NET basic version with: UK serial port TCP/IP and software Eye-Lan Lite
- serial port MODBus RTU.
- Master i2NET base avec porte:
- FR • de réseau TCP/IP et paquet software Eye-Lan Lite;
- RS485 de communication MODBus RTU;

FRONTALE STRUMENTO / FRONT PANEL / FRONTAL DE L'INSTRUMENT





		POWER SUPPLY			
	1 - 2	Power supply 230Vac			
		ALARM RELAY			
	3 - 4	Alarm relay 3(1)A 250Vac			
		SERIAL PROBES P1 AND P2			
	C – P1	(C) Common to temperature probe, (P1) room probe P1.			
	C – P2	(C) Common to temperature probe, (P2) room probe P2.			
1116		EXTERNAL PROBE			
UN	C – P5	(C) Common to probe, (P5) external temperature probe PE.			
		SCBus i ² Net SERIAL CONNECTION			
	+A / -B / S	SLAVE : SCBus RS 485 serial connection			
		OPTIONAL: PORT TCP/ IP			
	TCP / IP SCM830A-E1011 or -E1013 ONLY: TCP / IP port for software E				
		OPTIONAL: MODBus RTU SERIAL CONNECTION			
	+A, -B, S	SCM830A-E1012 or SCM830A-E1013 ONLY.			
	MODBus	SUPERVISOR : MODBus RS 485 serial connection			

ENGLISH

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MASTER SCM830: INSTALLATION

WARNINGS

 \triangle BEFORE OPERATING ON THE DEVICE. PLEASE CAREFULLY READ THE INSTRUCTIONS IN THIS MANUAL. KEEP THIS MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE Use the appliance only for its intended purpose as described in this manual. The Manufacturer declines

all responsibility for inappropriate use or incorrect setting. To ensure safe operation:

• Appliance must be properly installed and maintained according to this manual;

Supply voltage and environmental conditions fall within the values specified on appliance dataplate

\mathbb{A} ELECTRIC CONNECTIONS

THE DEVICE IS NOT PROTECTED AGAINST CIRCUIT OVERLOADING: EQUIP POWER SUPPLY INPUT AND ALL OUTPUTS WITH NECESSARY SAFETY DEVICES.

- · Avoid crossing cables by separating ELV ExtraLowVoltage from load-referred connections.
- · Protect the device power supply and probe inputs from electric disturbances.
- · Disconnect the appliance from the power supply before carrying out any maintenance;
- Do not EVER open the device plastic enclosure

2. TECHNICAL FEATU	RES
Power supply:	230Vac +/-10%, Use a 315mA safety fuse
Operation field:	-50.0150°C
PTC 990Ω accuracy:	~2 °C nel range –60T50 °C; ~5 °C nel range +50T160 °C;
Unit consumption:	5 VA
Housing:	plastic enclosure 180 x 150 x 65mm
Fixing:	on wall
Data storage:	on EEPROM memory
Front protection:	IP44
Employment conditions:	environment temperature –1050°C storage temperature –2070°C
Relative environment hum:	30 / 80%, without condensation
Connection:	screw terminal, cables max cross section 2,5mm ²
Display:	LCD display
Inputs:	3 inputs PTC 990 Ω @25°C (if enabled)
Outputs :	relay ALARM SPST 3(1)A 250Vac
Serial Connections:	serial port RS-485 to SCBus i ² NEt. 1.000m max network length i <i>FS</i> serial interface TTL to the expansion key: device firmware update; quick arameter setting (copy/paste);

Temperature/humidity probe, room 1, (if enabled)

- SCM830A-E1011 / -E1013 ONLY: 1 serial port TCP/IP (10/100Mbps) to Eye-Ian.
- SCM830A-E1011 / -E1013 ONLY: 1 serial port RS-485 MODBus.

MAIN FEATURES

DISPLAY WITH AUTOMATIC DECIMAL POINT: The display decimal range is: -50,0 and 150.0, out of this range the device switches automatically to integer numbers

SCBUS AND INFRANet, 2-WIRE BUS CONNECTION: A two-pole cable is required to connect the master to the zone slave modules. This simplifies the connection.

The two-way communication runs along a RS-485 serial line made of a 2-wire twisted shielded cable (i.e. Belden 8762 with PVC sheathing 2 twisted terminals + copper sheathing, 20 AWG, 89pF cables nominal capacity, 161pF cable / copper sheathing nominal capacity). 1.000m max length tolerated for the network; LCD DISPLAY: a large LCD display helps to keep the thermostat always under control at a glance. Scrolling

text messages and symbols describe the operations in progress. SCM830A-E1011 or SCM830A-E1013 ONLY: PC CONNECTION: use a serial cable TCP/IP, cat. 5, for the

connection master SCM830 to PC.

SERIAL TCP/IP PORT TO EYE-LAN 4

SCM830A-E1011 or SCM830A-E1013 ONLY MASTER SCM830 DEFAULT NETWORK ADDRESS: 192.168.1.100

- NETWORK PORT PASSWORD (IF REQUIRED): moxa
- \triangle AT THE FIRST START UP CONNECT THE MASTER SCM830 DIRECTLY TO PC USING A SERIAL CABLE CAT.5. YOU MAY CHANGE THE MASTER IP ADDRESS
- TO CONNECT MORE NETWORK MASTERS SCM830 TO THE SAME NETWORK, MAKE SURE EACH MASTER HAS A DIFFERENT/UNIQUE IP ADDRESS
- IF EYELAN SOFTWARE DOESN'T REACH THE SCM830, CHECK PARAMETER HOr

To set the address of the network port, proceed as follows:

- open a blank internet page (Explorer® / Firefox[®] / Chrome[®]);
- type the master IP on the address bar, default value: 192.168.1.100.
- insert the password if required: "moxa".

The Modifies Vousilization	DO TOTAL TOTAL OF THE TOTAL OF TOTAL	MithePort Web Conc. ×
Hain Menu Overniew Overniew Best: Estimps Advacced Settings Maintenance Save and Restart	Welcome to MillePort well console Model name Social Ro. Device networks Device networks Ethernes IP address Utherns Mc.address Utherns Mc.address Utherns Mc.address	MilherPart E2 1240 MilterPart_E2_1240 1.1 Fuid 10000014 192.168.1100 001018::25117.23 0 days 000:000::31 Data Mode

address	s"; now you can change the IP	Main Menu Overview Basic Settings	Network Settings Device name	MiNePort_E2_1169	BLK	Burner in lockout: when BLK is ON If blinking: reset command locked, see paramet
PACAIR	s, the master netmask. It is also	Senal Port Settings	1P coeffiguration IP address	Static • 192.168.1.230		Generic alarm, auxiliary input AG1
DNS w	e to set the gateway and server	Advanced Settings	Netmask Gateway	255.255.255.0		Modules for standard burner or inverter: Se
2.10, 11		Save and Restart	DNS server 1 DNS server 2		AG1	Modules for blower burners, warm air g
			Submit			overload relay or b-thermostat alarm. AG1-
Set "IP	configuration" as "Static";	Main Menu	Communication Parameters			Generic alarm, auxiliary input AG2
Click "S	Submit" to save changes	Dask: Settings Network Settings Setal Port Settings	Port alias Secial Parameters		462	Modules for standard burner or inverter: SCI das pressure switch alarm
Settings", a	and check the settings:	Operation Modes Advanced Settings	Baud rate [Hint] Data bits	9600 * 8 *	AGZ	SCP674V030/SCP674V202 (blower burners,
-	-	Maintenance Sove and Restart	Stop bits Parity	1 · None ·		$AG2 \rightarrow \odot$ alarm in progress. $AG2 \rightarrow C$
			Flow control FIFO Interface	* Enable © D RS-232	interior CEA	ScP004V157 (standard burner or inverter): in
			Submit		JEA	SEA \rightarrow (i) : alarm in progress. SEA \rightarrow (i)
Click '	"Basic Settings \rightarrow Operation	Ci Main Menu	Operation Modes			Burner output:
Modes", cl	heck the item "Mode" has been	Basic Settings	Mode TCP alive check time	TCP Server		ON: burner output activated or first stage ac
TCP port" i	is "4001":	Operation Modes Advanced Settings	Inactivity time Max connection Inners immed 18	0 (0 1 •	- 65535 ms)	BLINKING: warning light of burner ON or
		SNMP Agent	Allow driver control Local TCP port	© Enable © 4001	Disable	ON: 2 nd stage burner output ON or 2 nd burn
А. та		Serial Command Mode Macellaneous R Maintenance	Command port Data Packing	966	U	BLINKING: warning light of 2 nd level of bur
NETWOR	KENDTE OF THE NEW	Save and Restart	Packet length Delimiter 1 Delimiter 2	0 (0 - 00 (Hex)	1024)	ONLY for SCB40 SCB50: "HI" refers to burners
			Delimiter process Force transmit	D) tothing D (0	- 45535 mai	Fan output: (according to the slave module for
5. HO	W TO CONNECT THE EXPANSIO	N KEY SCAME	20	Barrin Barded		Timer program of burner ON - SP1C: timer
	SCM830A-E1	011 or SCM830	A-E1013 ONLY			Timer program of burner on - SP1E : timer
 Switch 	off the gateway SCM830;		2014020		<u> </u>	Timer program of burner off - rt : timer program of
 Connect Power 	on the gateway SCM830 and wait	t for the red led o	o the expansion ke	ev to switch off	<u> </u>	If $rt \neq 0$ the network device maintains the anti-
 Switch 	off the SCM830, disconnect the k	ey and power or	again the master	SCM830.	M 0-	Manual mode :
 Set the 	e expansion key. Go to the Eye-La	n and check iten	n "Options→Licens	se".	Sur	on : slave module in manual mode : on or o
6. MO	DDBus PORT					V off : slave module in automatic mode;;
	SCM830A-E1	011 or SCM830	A-E1013 ONLY		SYMBO	LS FOR EVAPORATIVE COOLING APPLICA
MODBus F	PORT ENABLED ONLY WITH HO	r=-1 or 2.			-+	LOAD: : status of the "water load" of the disp
	sus parameters, see datasneet E 15	136.			nin	$\swarrow \rightarrow \odot$: tank filling, water load in progres
	MAS	STER SCM830	: USE			DUMP : status of the "water dump" of the dis
7. FR 7.1 KE						PUMP : status of the "pump" of the displayed
	- MASTER: press it briefly to ent	er the master SC	M830 menus			$\bigcirc \rightarrow \bigcirc$: pump working, water flowing, pa
0 m	- ON/OFF ZONE: hold it for 2s.:	Enable-ON / Di	sable-OFF of the s	slave module displaye	ed on	COOL: ON when the displayed evaporative
	- SLAVE MODULE: press it bri	efly to enter the	menu of the slave	e module displayed o	n the	setup, 🗱 refers to timer programs of COOL
	" ZONE: " area	-			96	FAN : ON when the evaporative cooler is w
<u> </u>	- SET POINT ZONE: hold it for : "ZONE"	2s.: to access th	e set-point of the s	slave module displaye	ed on	OFF : ON when the evanorative cooler is O
	ESC / RESET: In setup mode it v	works as ESC.			- OFF	programs of cooler OFF.
Krst	During the normal activity hold it	t to access the p	arameter to reset	the selected slave mo	D.1	Float n° 1 - full tank / pump enable / loa
_	ENTER: it works as enter/confirm	uncuon). n button Press it	•			Float n° 2 - empty tank / pump stop / loa
←	+ to enter the displayed men	nu/parameters;	•		D.2	that is when the tank is empty.
	+ to confirm / start the displa	iyed functions.	lava madulaa aak	nowledged by the m	aatar	Manual mode:
\mathbf{T}	SCM830; in setup mode, it increa	ases the displaye	ed value;	inowiedged by the m	asiei	\bigcirc + OFF ON \rightarrow manual off;
1	DOWN: in normal operation, pre	ss it to scroll bad	kwards the slave	modules acknowledge	ed by	+ 3° ON \rightarrow manual cool:
	the master SCM830; in setup mo	ode, it decreases	the displayed valu	le;	<u> </u>	$\hat{\mathbb{V}} \cap \mathbb{N} \rightarrow \text{boliday}$
\wedge	is in progress.	iu / to mute a bu	zzing alarm. Only	accessible when an a	alarm	
			anguage selection	hooklight huzzor o		+ *** +and - ≠ biinking → manual co
	DISPLAY LCD: to go to the di	splay settings: la		, Dacklight, Duzzer, S	peed	OFF the natural davias displayed is in
	DISPLAY LCD: to go to the di- text, column text	splay settings: la		, Dacklight, Duzzer, S	peed	OFF : the network device displayed is in error 43: FLOAT STOP: When ON float bl
7.2 DIS	DISPLAY LCD: to go to the di text, column text SPLAY: SYMBOLS	splay settings: la		, backlight, buzzer, s	BLK	OFF : the network device displayed is in error 43: FLOAT STOP: When ON, float bl error 19: Inverter alarm
7.2 DIS	DISPLAY LCD: to go to the di text, column text SPLAY: SYMBOLS S COMMON TO ALL SCBus APP	splay settings: la		, Dacklight, Duzzer, S	BLK	OFF : the network device displayed is in error 43: FLOAT STOP: When ON, float bl error 19: Inverter alarm ANGUAGE, DISPLAY BACKLIGHT
7.2 DIS	DISPLAY LCD: to go to the di text, column text SPLAY: SYMBOLS S COMMON TO ALL SCBus APP ALARM: ON when an alarm con	splay settings: la		, Dacklight, Duzzer, S	BLK 7.3 L Hold for Hold for	OFF : the network device displayed is in error 43: FLOAT STOP: When ON, float bl error 19: Inverter alarm ANGUAGE, DISPLAY BACKLIGHT 3e the key to go to the display manu:
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7.2 DIS SYMBOLS	DISPLAY LCD: to go to the di text, column text SPLAY: SYMBOLS S COMMON TO ALL SCBus APP ALARM: ON when an alarm con SETUP: Setting mode Icon ON: the display is showing t Icon BLINKING: the display is sh	splay settings: la PLICATIONS dition is ON the parameter/mo owing the param	enu name. eter/menu value.	, backlight, buzzer, s	BLK 7.3 L Hold for • LAN ○	OFF : the network device displayed is in error 43: FLOAT STOP: When ON, float bl error 19: Inverter alarm ANGUAGE, DISPLAY BACKLIGHT 3s the key to go to the display menu: GUAGE: F Italian; K = Encline:
2 DIS <u>YMBOLS</u> <u>Source</u> ZONE:	DISPLAY LCD: to go to the di text, column text SPLAY: SYMBOLS S COMMON TO ALL SCBus APP ALARM: ON when an alarm con SETUP: Setting mode Icon ON: the display is showing to Icon BLINKING: the display is sho Zone ; the displayed module is the	splay settings: la PLICATIONS dition is ON the parameter/m owing the param he one the data of	enu <i>name.</i> leter/menu value. efer to. (19 = sla	ve module n° 19)	Peed	OFF : the network device displayed is in error 43: FLOAT STOP: When ON, float bl error 19: Inverter alarm ANGUAGE, DISPLAY BACKLIGHT 3s the key to go to the display menu: GUAGE: F Italian; IK = English; KLIGHT :
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BLK	Burner in lockout: when BLK is ON If blinking: reset command locked, see parameters H30 and H31.			
	Generic alarm, auxiliary input AG1			
AG1	AUX input alarm / thermal overload relay alarm.			
	Modules for blower burners, warm air generators: SCP674V030/SCP674V202: Thermal			
	Generic alarm, auxiliary input AG2			
	Modules for standard burner or inverter: SCQ72 /SCP004V156/ SCP004V160/ SCP004V157:			
AG2	gas pressure switch alarm. SCP674V030/SCP674V202 (blower burners, warm air generators): air filters 1+2 blocked			
	$AG2 \rightarrow \textcircled{O}$ alarm in progress. $AG2 \rightarrow \textcircled{O}$: no alarm			
SEA	Serious external alarm - burner overheating: SCQ72/SCP004V156/SCP004V160/ SCP004V157 (standard burner or inverter): in case of SEA alarm, the burner stops.			
ULA	SEA \rightarrow (C) : alarm in progress. SEA \rightarrow (C) : no alarm.			
	Burner output:			
6	ON: burner output activated or first stage activated, in case of multi-stage burner.			
▲ HI				
0	UNIZING stage burner output UN or 2 th burner activated (only multi-stage burner SCQ/1)			
	ONLY for SCB40 SCB50: " <i>HI</i> " refers to burners of ZONE 2.			
Sh				
	Timer program of burner ON - SP1C: timer program of burner/s ON set-point=SP1C			
*	Timer program of burner on - SP1E : timer program of burner/s ON. set-point=SP1E			
	Timer program of burner off - rt : timer program of burner/s OFF.			
	If $rt \neq 0$ the network device maintains the antifreeze set-point.			
SWA	Wanuar mode: ₩ on : slave module in manual mode : on or off:			
\cup	∜ off : slave module in automatic mode;;			
SVMD0				
	LOAD: : status of the "water load" of the displayed evaporative cooler:			
nin	$\swarrow \rightarrow \odot$: tank filling, water load in progress; $\swarrow \rightarrow O$: no water load;			
	DUMP : status of the "water dump in programs:			
C	PUMP : status of the "pump" of the displayed evaporative cooler.			
6	\bigcirc → \bigcirc : pump working, water flowing, pads stepping. \bigcirc → \bigcirc : pump OFF.			
*	COOL: ON when the displayed evaporative cooler is working in cool mode. During the TIMER			
	setup, we refers to timer programs of COOL mode.			
K	refers to timer programs of FAN mode.			
OFF	OFF : ON when the evaporative cooler is OFF. During the TIMER setup, OFF refers to timer programs of cooler OFF			
D 1	Float nº 1 - full tank / pump enable / load stop : on when the full tank float activates, that			
0.1	is when the tank is tull. Float n° 2 - empty tank / nump stop / load enable: on when the empty tank float activates			
D.2	that is when the tank is empty.			
	Manual mode:: ^{S™} + OFF ON→ manual off:			
	+ \Re ON \rightarrow manual fan;			
SWA	+ $\overset{\hspace{0.1cm}}{\overset{\hspace{0.1cm}}\overset{\hspace{0.1cm}}{\overset{\hspace{0.1cm}}\overset{\hspace{0.1cm}}{\overset{\hspace{0.1cm}}{}}{}$			
\sim	+ $\mathcal{V} ON \rightarrow holiday;$			
	+ \mathfrak{A} +and \mathfrak{V} blinking \rightarrow manual cool from master;			
	COFF : the network device displayed is in automatic mode; error 43: FLOAT STOP: When ON float blocked, full/drain tank alarm in progress or pending			
BLK	error 19: Inverter alarm			
7.3 L	ANGUAGE, DISPLAY BACKLIGHT			
Hold for	3s the key to go to the display menu:			
• LAN	GUAGE:			
0 0	I = Italian; JK = English;			
• BAC				
0 ľ 0 \	vo = backlight OFF; /ES = backlight ON for 30s after keypress;			
o A ■ BID	ALWAYS = backlight always ON;			
• bii	SI = Buzzer on;			
0 N TXT •	No = Buzzer off; SCROLL SPEED:			
• N	MEDIUM = text scroll medium speed;			
• NEV	-AS I = text scroil tast speed; V PARAGRAPH:			
0	NO = new paragraph disabled, scrolling text active;			
0) • P	res - new paragraph active, the long texts wonit scroll, they will be displayed on two times;			
 Pres 	Press do not be croll the parameter list:			
	s to scroll the parameter list:			
Pres	to display the selected parameter's value;			
Pres Pres Pres	s for a for scroll the parameter list: s for a			
 Pres Pres Pres Pres 	s or b scroll the parameter list: s to display the selected parameter's value; s or to modify the displayed value; s to confirm the entered value. with press to confirm the entered value.			

PE2: serial timer program zone 2, (only if PtE=YES); - To enter menus and parameters of the MASTER SCM830, press • Lrn: network acquisition; menu of the list: Er nE: To enter menus and parameters of the MASTER SCM830, press . see point 8.1. Press or v to scroll the menu: ◦ E₁ ΠE: clock menu; When entering the SCM830 menu, the display shows \circ **IF** : info menu; **Ŀ**, ∏F 。 PAr: parameter menu; 10.1 TIME: NETWORK CLOCK / CALENDAR SETUP • Fnc: function menu; To display the set time, go to the tiME menu, see point n.8.1 • PE I: serial timer program zone 1, (only if PtE=YES); The display shows the time and the week day (1=Monday...7=Sunday). MENU OROLOGIO • PL2: serial timer program zone 2, (only if PtE=YES); Ex.: Wednesday, 2:32pm: o Lrn: network acquisition; Should the clock not be set or expired, the alarm n°13 is signaled zone 99 refers to the master SCM830 Per adjust the current date and time on the SCM830, proceed as follows: - To enter menus and parameters of the SLAVE MODULE: locate the menu tiME and press press 1 / V to select the required slave module, see display "ZONE:" press or v to set the current hour; ist: to enter the setting of the selected module. The display shows the first menu of the list: press SEE: to confirm it; the minute digits flash; ↑ or ↓ to set the current minutes: Press for to scroll the menu to confirm it; the set day flashes; ◦ **SEL**: set-point; or to set the current day, ex: ∘ *I***∩F***□*: info; press PAr: parameters; DAY 1 DAY 2 DAY DAY 6 • Enc: functions; 1=Monday 2=Tuesday 6 = Saturday • PE II: timer programs; press 🗲 to confim it; the year "🤟 🖽 🖓 "flashes; • ETTE: clock (according to the item version). or 🔽 to set the current year; The display screen in the picture shows: setting menu of slave module/zone 3 to confirm it; the month " When entering the menu list of MASTER or SLAVE module, the setup symbol "De lights on and the display shows a short description of the parameter, ex.: "tiME = clock menu" or "SEt = set point menu". or v to set the current month; press \checkmark to confirm it; the day of the month " $d\Pi D$ /" flashes; press 🖆 to open the selected menu, now the display shows the first parameter of the menu and the setup symbol "2" lights on. or v to set the current day of the month; press or void the parameter list. The display shows the parameter description; to <u>conf</u>irm it; th<u>e dis</u>play shows for 3s the value of the selected parameter, the symbol "گ^ه" blinks; To exit press or wait for Hor sec. or 🔽 to edit the value; 10.2 inFo : SERIAL PROBE, OUTSIDE PROBE to confirm the value and go back to the parameter list; InFo includes the following data: to exit press or wait for HOr sec. o tA1: temperature of serial probe 1; Λ H0d is the max permanence time into the module setting procedure. UA1: humidity of probe 1 (evaporative cooler modules ONLY); The setup symbol "De keeps lit steady when scrolling the parameter list; it blinks when tA2: temperature of serial probe 2; 0 UA2: humidity of probe 2 (evaporative cooler modules ONLY); displaying the parameter value. 0 Et: temperature of outside probe 0 ntC: network connection quality : 10=excellent / 7=good / 5=scarse / 0=low, no connection Lrn MENU: CONNECTION AND CONFIGURATION OF SLAVE MODULES 0 Press or v to check the connection quality of each slave module, ex : 14 WHEN CONNECTING THE TERMINAL SCM830 TO THE SERIAL DEVICES, see "SCBus network connection"; DO NOT SWAP +A / -B WIRES. n.10 has an excellent connection. MAKE A LINEAR NETWORK CONNECTION: NOT STAR, RING OR TREE. /î\ Not all the slave modules can work with the serial probe. Λ MAKE SURE POWER MODULES ARE CONNECTED/SUPPLIED BEFORE PROCEEDING See parameter /P1 and /P2 to set the serial probe 1 and 2. In case of serial or outside probe fault, the display shows " - - ". To start the acquiring process, go to parameter Lrn of the master SCM830, see point 8.1. 10.3 PAr: MASTER SCM830 SETUP To set the SCM830, locate the "PAr" menu, see point 8.1 Set Lrn to Yes and press < to confirm the value and start the network acquisition. Press To enter menu/parameter list of the master terminal SCM830: Search parameter "Lrn" by using the buttons or Press to access the parameter; Now "PA" is displayed and then the pre-set password value "00"; To edit the displayed value, use the buttons \frown or \checkmark Press or v button to enter the right password (for different password levels see at the end of this Lrn = no → no network acquisition; paragraph). The thermostat remembers the password for the next 4 minutes. • Lrn = Yes \rightarrow it starts the network acquisition. Press 🗲 to confirm the value. Set *Lrn=Yes*: the SCM830 master unit starts the network acquisition. During the network scanning the display shows L r n, the symbol \mathcal{S} lights on and in the **ZONE**: To scroll and set the parameters proceed as described in point 8.1. area the 2 segments - blink; at the end, the display shows the list of the acquired devices DISPLAY DESCRIPTION

zone:00.01 Acquired / acknowledged device Acquisition failed: too many modules connected to the ., o-nE master. Error n°32, see point n°26. Acquisition failed: no modules connected to the master nont + Error n°11, see point n°26.

value depending on the version of i2NET terminal and on the number of serial devices in the network.

Should the device lack of a previously acquired network, an acquiring process will automatically start at the device power on.

The address Stands for the master device SCM830.

Connect max 16 slave modules to the master SCM830.

When the network has been created, you can scroll the thermal zones by using the keys Δ or \checkmark The master SCM830 cyclically shows the different zones, at regular interval, parameter H8.

10. MASTER SCM830: MENU - NETWORK MAIN SETUP

- The master SCM830 has the following menus: • EI NE: clock;
 - Info; 0
 - 0
 - PAr: parameters;
 - Fnc: functions; 0
 - PL I: serial timer program zone 1, (only if PtE=YES);

7 7 = Sunday

THE THERMOSTAT HAS 3 PARAMETER LISTS: "USER" / "INSTALLER" / "MANUFACTURER". TO SET UP THE "USER" PARAMETERS, PASSWORD IS NOT REQUIRED. THE PASSWORD IS ONLY REQUIRED TO REVIEW / SETUP THE "INSTALLER" / "MANUFACTURER" PARAMETERS.

- Press the stutton: the first parameter, of the list enabled by the password, will be displayed. In case of wrong password, only the parameters of the USER list will be displayed ...

When scrolling the parameter list, the symbol "" is ON; when the display shows the parameter value, the symbol """ flashes.

PARAMETER LIST:

Cod	Parameter	Туре	Range	UM	Def	
/	Probe parameters					
/CE	Probe PE calibration – external probe	\odot	-1212	°C	0.0	
/S	Probe reading stability		05	-	2	
/P0	SCM830A-E1012 or SCM830A-E1013 ONLY.	F	12	-	1	
	Network probes 1, 2 and outside probe managed by terminal					
	SCM8xx or modbus.					
	1 = probes managed by terminal SCM8xx, see /P1, /P2 and /PE;					
	2 = network probes and external probe manageg by Modbus					
	protocol. In this case the parameters /P1, /P2 and /PE are					
	irrelevant.					
/P1	Network probe P1:	I	-359	-	-1	
	-3= network temperature/humidity probe P1 connected to the					
	master SCM830 iFS port;					
	 -2= network probe P1 connected to master SCM830; 					
	-1 = no network probe;					
	x = network probe, connected to zone x (x \neq -1 and x \subseteq 059]).					
/P2	Network probe P2:	Ι	-259	-	-1	
	 -2 = network probe P2 connected to master SCM830; 					
	-1 = no network probe;					
	x = network probe, connected to zone x (x \neq -1 and x \subseteq 059]).					
/PE	Outside probe (NO / YES)		noYES	-	no	
PfF	Enable network timer programs zone 1 and 2 (NO / YES)		no YES	-	no	

Α	Alarm parameters				
A3	Buzzer alarm delay at power on	Ι	015	Min	0
AS	Buzzer sound (NO / YES)		noYES	-	no
Н	Other parameters				
H07	Reset TCP/IP port (SCM830A-E1011/E1013 ONLY)	С	noYES	-	no
	no = no reset;				
	YES = reset of SUM830 TUP/IP port. It lasts ~30s.				
	192 168 127 254 and set again the basic settings of the nort				
	see point 4				
H0A	Baud rate SCBus port:	С	2496	-	24
	24 = baud rate - 2400bps; 96 = baud rate - 9600bps.				
H0r	Enable serial ports. SCM830A-E1010: (read only)		0	-	0
	SCM830A-E1011: Enable port TCP/IP- Eye_lan:		01	-	1
	0=TCP/IP OFF; 1=TCP/IP ON;				
	SCM830A-E1012: Enable MODBus port:	С	-10	-	-1
	-1 = MODBus ON; 0 = MODBus OFF;	-			
	SCM830A-E1013. Enable TCP/IP-Eye Ian + MODBus:		-12		2
	-1 = MODBUS ON; 0 = MODBUS + 1 OP/IP OFF; 1 = TCP/IP = Evolution ON; 2 = TCP/IP + MODBUS ON				
HOc	Data flow check from SCM830 / slave modules:	C	0.3	-	3
	0= no data flow check (slave modules old version):	5	00		5
	1= data flow check enabled – write only;				
	2 = data flow check enabled – write /read;				
	3 = data flow check enabled - write /read, with SCBus parity bit				
	check				
H0d	Parameter setup timeout: max permanence time into the module	\odot	30250	Sec	180
	setting procedure.	~	4.0		
HUH	Number of serial device queries before an alarm is signaled	0	13	-	3
ном	remperature deviation before a variation is signaled. Ex. Hom = $2 \rightarrow 1/0.2^{\circ}$ C temperature deviation	C	05	-	1
	The temperature displayed will be undated only if it				
	increases/decreases by +/-0.3°C				
H5	Item version (read only):	\odot	-	-	-
	0=SCM830A-E1010; 1=SCM830A-E1011;				
	2=SCM830A-E1012; 3=SCM830A-E1013;				
H8	Frequency of slave modules sampling/toggling	\odot	830	Sec	8
H9	Models with MODBus port only (SCM830A-E1012/3)	С	1247	-	1
	MODBus serial address (see point 6)				
H9A	SCM830A-E1011 and -E1013 only:	С	099	-	0
	Slave module ID code - most significant byte.				
	Evel an software				
	H94 \pm 0 ID check enabled The Evel an software recognizes the				
	device SCM830 only if its correct ID code has been previously				
	set in the EyeLan. ID code=(H9A x 100) + H9b.				
H9b	SCM830A-E1011 and -E1013 only:	С	099	-	0
	Slave module ID code - "less significant byte".				
	H9b=H9A=0: ID check disabled. No ID code is required by the				
	EyeLan software.				
	Hyp ≠U ID check enabled. The EyeLan software recognizes the				
	set in the Evel an ID code=(H04 v 100) + H06				
HOC	SCM830A-F1011 and -F1013 only	C	no VES	-	no
1130	no = device NOT MODBus compliant:	0	101L0	•	10
	YES = device standard MODBus compliant;				
H9r	SCM830A-E1011 and -E1013 only:	С	noYES	-	no
	no = MODBus enabled as READ & WRITE;				
	YES = MODBus enabled as READ ONLY.				
Hdb	Factory restore	С	noYES	-	no
HE	Alarm output contact: 0=N.C. contact; 1= N.O. contact;	1	01	-	0
HH	Release tirmware (read only)	٢	-	-	-
LEGE	ND: PARAMETERS AND RELATED PASSWORD				DA
i ype					PA
1	INSTALLER parameters Before changing them carefully read the	instru	ictions		95
	INVIALEN parameters. Derore changing ment, calefully lead the		1000113.		30

ACTORY parameters. These parameters are factory set, the default values can be different from the suggested ones. Modifying these parameters can cause the bad functioning of the thermostat. 59 С FACTORY parameters include INSTALLER and USER parameters. the "factory restore" function restores the device to the factory default settings. All the parameter

settings will be canceled. To execute a factory restore of the SCM830, set Hdb = YES and press

10.4. Fnc : FUNCTIONS

The menu TIC includes the following parameters: A-M, At-1 e At-2, HC-M.

NETWORK OPERATING MODE OFF / PULC / On (parameter A-M):

- A-M = \Box FF: all slave modules are in manual OFF mode and maintain just the antifrost setpoint, if enabled. No timer programs.
- Slave modules for evaporative coolers: the modules which do not feature the anti-frost setpoint will switch OFF
- A-M = FILLD: all slave modules are in automatic mode. Every device runs according to its specific timer setting, parameter A-M and P-on.
- A-M = Dn: all slave modules are in manual ON mode and maintain just the COMFORT set-point. In ON mode, any scheduled timer programs will be temporarily suspended.
- A any change to the parameter A-M does not have immediate effect on the serial network. Network modules take about ~30s to apply the new setup to the system.

NETWORK ACTION CLILL/COOL/HEAL (parameter HC-M):

- HC-M = rull L: each slave module activates according to the setting of the individual parameter H-C.
- LooL: all slave modules runs with direct action, in summer / cool mode.
- HEAL: all slave modules runs with reverse action, in winter / heat mode

Ex: HC-M = CooL all slave modules connected to the master SCM830 will have H-C = CooL. If you change the H-C setting of a single module, it will be automatically re-set to the HC-M value after 30s To allow the free setting of a slave module, set HC-M = null.

A any change to the parameter HC-M does not have immediate effect on the serial network. Network modules take about ~30s to apply the new setup to the system.

When the master SCM830A-E1012 / SCM830A-E1013 is connected to a MODBus network (Hor=-1/2), the HC-M parameter setting does not affect the slave module functioning. <u>TEMPERATURE NETWORK PROBES P1 AND P2 CALIBRATION (At-1 and At-2)</u>:

It is possible to automatically change the temperature of all slave modules working with network probe P1 /P2. Example: At-1 = 1: it increases by 1°C the temperature measured by the network probe P1. That means decreasing by 1°C the set-point of all slave modules working with the network probe P1.

10.5. Pt1 & Pt2: NETWORK TIMER PROGRAMS - ZONE 1 AND 2.

A network zone 1 or 2 timer program is a command of outputs ON / OFF sent to all the slave modules connected to that network zone; the slave module sorts them by day and time and runs them cyclically. NOTE: Not all slave modules feature the network timer program. Please refer to the slave module datasheet for further info.

It is possible to set 16 different timer programs a zone.

The network zone 1 timer program is enabled only if the network probe 1 is enabled, /P1 ≠-1. The network zone 2 timer program is enabled only if the network probe 2 is enabled, /P2 ≠-1. The PE 1/PE2 menu, network timer programs for zone 1/2, is accessible only if PtE=YES. For the setting and clearing of the network timer programs, please see point 17. The procedure is the same used for the slave module timer programs.

The salve module executes the timer programs only if:

- parameter R-n=RUED, both in the slave module and in master SCM830 setting.

read the network probe; parameter t8=no.

11. ALARM MENU: LIST OF ERRORS / ALARM MESSAGES

When there are no pending alarms, if you press the key A, no action will be executed.

In case of alarm/ failure, the display shows the symbol "A "and the message "ALARM IN PROGRESS". SCM830 stores up to 10 alarm events. Alarm menu is only available and accessible when an alarm / error event occurs.

To check the list of pending alarm / error events:

• press A, the first alarm / error event will be displayed;

press or v to browse the list of pending alarm / error events.

xample:	
ĩ	Alarm in progress in zone 24: slave module 24 cannot be reached by the network SCBus = alarm code n°12;
24	ZONE "99" refers to the master SCM830.

ALAF	RM CODES		
10	Eeprom MASTER broken, switch the thermostat off and on again		
	Eeprom SLAVE MODULE broken, switch the thermostat off and on again		
11	Network error. Network not acquired or lost.		
12	Network error: network device disconnected or not connected.		
13	Error of MASTER clock. The clock may have expired. Check date and time.		
14	Error of MASTER parameter setting: failure in the network probe setting. Repeat the settin		
	check parameters /P1 and /P2.		
15	Error of Master: network failure. Repeat the network acquisition procedure: it may occur		
	when you replace a network slave module with one having the same serial address.		
17	Network device generic alarm/ burner in lockout		
18	Auxiliary alarm 2 - AG2:		
	Slave module code SCP004V157/SCP004V160: gas pressure switch alarm / no gas;		
	Slave module code SCP674V030 + SCP674V202: alarm air filter 1 or 2 stuffed up.		
	Slave module code SCQ72 / SCP004V156: Insufficient gas pressure. The alarm activates if		
	after a delay of 30s. from the activation of the B_LO burner output, the S_LO LED indicator		
	input does not light on. The alarm activates immediately if the burner is already ON since		
	more than 30s and the S_LO LED indicator does not light on. See parameter H06		
19	Auxiliary alarm 1 – AG1:		
	Slave module (Inverters) SCP004V 157 + SCP004V 160: thermal overload relay alarm;		
	Slave module SCP6/4V030 + SCP6/4V202: b-thermostat or gas pressure alarm.		
	Slave module SCQ727 SCP004V 150. Senous alarm AG1 – warning signal AUX		
20	Sidve module SCRE70 . Inventer aldim		
20	Fault of probe 1 - slave module (if the clave module features it)		
21	Fault of probe 2 - slave module (if the slave module features it)		
22	Fault of probe 5 - slave module (if the slave module features it)		
23	Fault of probe 4 - slave module (if the slave module features it)		
24	Fault of probe 5 - slave module (if the slave module features it)		
20	Fault of probe 7 - slave module (if the slave module features it)		
20	Fault of probe 7 - slave module (if the slave module features it)		
2/	Outdoor probe or stave module (in the stave module reduces it)		
30	instrument limits. Check the cable to the probe. The alarm stops when the temperature goes		
	hack to normal values		
32	Network acquisition error. Too many modules connected to the master SCM830		
38	High humidity alarm		
30	Low humidity alarm		
40	Slave module temperature alarm		
40	Slave module temperature alarm		
	SEA : overheat alarm		
42	Slave module low temperature alarm		
43	Evaporative cooler modules: float alarm error tank filling/draining		
54	iNet network error: one or more burner devices connected to the SCO65 are disconnected		
•7	from the network. To see the burner devices disconnected from the iNet network enter the S-		
	En parameter inside the <i>inFo</i> menu.		

To exit press X or wait for HOr sec.

NOTEIf the alarm is not cleared within 4 minutes, the master unit SCM830 activates the alarm relay.

SLAVE MODULES

The slave modules connected to the master SCM830 feature the following menus:

- $5E\underline{k}$: set-point; 0
- Info; 0
- PAr: parameters; 0
- Fnc: functions; 0
- PE II: timer programs; 0

E INE: clock/timer (slave modules with built-in timer only) 0

To go to these menus and set the parameters, proceed as follows:

- press 🔨 or 🔽 to select the desired slave module;

- press I to go to the menu list of the slave module;

- For further info about the parameter setting, see point 8.1.

NOTE: The parameter list varies according to the slave module model. Please refer to the slave module datasheet.

SET: TEMPERATURE/ HUMIDITY SET POINT - SLAVE MODULE

SEE menu: according to the slave module, it includes the following parameters:

- Slave modules for heating plants:
- SP1C: slave module comfort set-point;
- SP1E: slave module economy set-point (according to the slave module model).

Slave modules for evaporative cooling plants:

- SP: slave module temperature set-point;
- *rU*: slave module humidity set-point. When the environment humidity exceeds the humidity setpoint, the evaporative cooler pump stops.____

Quick setup of SP1C or SPd or SP: hold the key It and release it when the display shows the first parameter of the menu **SEt**. The display shows the set value. For further info about the parameter setting, see point 8.1.

13. inFo: TEMPERATURE / INFO - SLAVE MODULE

InFo menu: according to the slave module, it includes the following info:

- Slave modules for heating plants:
- o tA1 / tP1 : room temperature measured by probe P1. P1 is the probe connected directly to the slave module or the network probe (according to the slave module version);
- tP2: temperature measured by probe P2 (according to the slave module version);
- For further info refer to the slave module datasheet.

Slave modules for evaporative cooling plants:

- $tA1 \rightarrow$ temperature measured by probe P1; 0
- UA1 \rightarrow humidity measured by probe P1.
- For further info about the parameter setting, see point 8.1.

14. Fnc: FUNCTIONS - SLAVE MODULE

The parameter list in menu Fnc varies according to the slave module model. For further info about the parameter setting, see point 8.1.

14.1 ON/OFF - SLAVE MODULE

- TO ON/OFF a slave module, set the parameter **P-on** menu **Fnc** of the slave module:
- P-on =1: slave module ON / symbol ON = "O".
 - P-on =0: slave module OFF but still powered / symbol ON = "O". No antifrost setpoint is maintained in this mode. The master SCM830 shows ONLY the temperature measured by the OFF module; all other symbols are OFF.

Quick setup of parameter P-on of the slave module:

Press 🕥 or 👽 to select the desired slave module. Hold the key 🖭 and release it when the display shows the first parameter of the menu P-on. The display shows the set value.

14.2 SUMMER / WINTER MODE (DIRECT/REVERSE ACTION) - SLAVE MODULE

 \wedge THE TYPE OF ACTION OF A NETWORK DEVICE CAN BE FORCED BY THE HC-M PARAMETER OF THE MASTER SCM830, SEE POINT N°10.4.

H-C parameter / Fnc menu: type of action of the slave module (according to the slave module)

• H-C = LooL : summer mode/ COOL, symbol ** ON, *

In summer mode, the symbol 🗱 switches ON when the relay closes (according to the model).



The COOL relay of the slave module activates when temperature is t ≥ SP + rd and turns off when it reaches the set-point temperature SP.

The slave module for heating plants in summer mode, are OFF.

H-C = HEAL: winter mode/ HEAT, symbol 🌃 OFF, "O".



In summer mode, the symbol **O** switches ON when the relay closes (according to the model).

The HEAT relay of the slave module activates when temperature is $t \le SP - rd$ and turns off when it reaches the set-point temperature SP.

Slave modules for heating plants: In the event of faulty probe the output is always OFF. Almost all versions of slave module for heating plant do not work in summer mode.

Slave modules for evaporative cooling plants: In the event of reverse action / HEAT mode, the slave module switches OFF.

14.3 MANUAL OFF / MANUAL ON / AUTO WORKING MODE - SLAVE MODULE

A-M parameter / Fnc menu: type of action of the slave module (according to the slave module)

- <u>Slave modules for heating plants:</u> **A-M** = D : slave module in OFF mode. It just maintains the antifrost setpoint, *rt*;
 - A-M=FILED: slave module in automatic mode. It runs according to its timer programs;
- A-M = D slave module in manual ON mode. It just maintains the COMFORT set-point. Slave modules for evaporative cooling plants:
- A-M = OFF : slave module in OFF mode.
 A-M=FUEO: slave module in automatic mode. It runs according to its timer programs;
- A-M = LooL: slave module in manual cooling mode
- A-M = FAn slave module in manual fan mode

14.4 BURNER ENABLE / DISABLE

SLAVE MODULE CONTROLLING 1 OR MORE BURNERS ONLY

Should there be some not used area inside a heating zone, you can disable a specific burner and get an impressive energetic saving.

To ENABLE / DISABLE 1 or more burners: Go to the slave menu *Fnc* and set parameter *En1*:

- En1 : enable / disable burner 1; En1=no : burner OFF. / En1=YES : burner ON.
- En2 : enable / disable burner 2; En2=no : burner OFF. / En2=YES : burner ON.
- En3 : enable / disable burner 3; En3=no : burner OFF. / En3=YES : burner ON.
- En4 : enable / disable burner 1; En4=no : burner OFF. / En4=YES : burner ON. etc (according to the slave module)

14.5 FAN SPEED – SLAVE MODULE

SLAVE MODULES FOR EVAPORATIVE COOLING SYSTEMS ONLY

To set the fan speed of the evaporative cooler module, go to menu Fnc on the slave module itself and locate parameter FAn:

• Fan = FILL: auto mode. The fan speed varies according to the measured temperature and the temperature set-point.

NOTE: RUED mode works properly only if a temperature and humidity sensor is connected to the slave module, otherwise the speed switches automatically to F 1.

- F 1: Min. fan sped;
 F 2: Average fan speed;
 F 3: Max fan speed.

15. PAr: PARAMETERS - SLAVE MODULE

Menu PRr : parameter setting of the slave module.

The parameter list varies according to the slave module model. Please refer to slave module datasheet. THE THERMOSTAT HAS 3 PARAMETER LISTS: "USER" / 'INSTALLER" / 'MANUFACTURER". TO SET UP THE "USER" PARAMETERS, PASSWORD IS NOT REQUIRED. THE PASSWORD IS ONLY REQUIRED TO REVIEW / SETUP THE "INSTALLER" / "MANUFACTURER" PARAMETERS.

- The display shows "PA" and then the password value, default "00"; •
- Press or button to enter the right password (for different password levels see at the end of this paragraph). The thermostat remembers the password for the next 4 minutes.
- Press the 😫 button: the first parameter, of the list enabled by the password, will be displayed. In case of wrong password, only the parameters of the USER list will be displayed.
- To scroll and set the parameters proceed as described in point 8.1.

When scrolling the parameter list, the symbol "25" is ON; when the display shows the parameter value, the symbol "De flashes.

16. tiME: CURRENT LOCK / CALENDAR - SLAVE MODULE

SLAVE MODULES WITH BUILT-IN REAL TIME CLOCK ONLY To display the set time, go to the *tiME* menu, see point n.8.1. The display shows the time and the week day (1=Monday...7=Sunday).



7 = Sunday

NOTE: Should the display shows SYS, it means that the slave module works according to the time set the master SCM830. In this case it is not possible to adjust the slave module time.

6 = Saturday

A timer program is a command of outputs ON / OFF; the master sorts them by day and time and runs

The salve module executes the timer programs only if parameter \mathcal{R} - \mathcal{R} = \mathcal{R} UED, both in the slave

Each slave module features specific timer programs. It is possible to set 16 timer programs a zone.

6 DAY

Per adjust the current date and time on the slave module, proceed as follows:

- locate the menu tiME and press
 the hour digits flash;
- press for to set the current hour;

Ex.: Wednesday, 2:32pm:

- to confirm it; the minute digits flash; press
- press or v to set the current minutes; press 🗲 to confirm it; the set day flashes;

press 🖍 or \star to set the current day, DAY 1 DAY 2 DAY

PtiM: TIMER PROGRAMS - SLAVE MODULE

You can override the slave module timer program by: • parameter P = D menu P = D: function manual ON / OFF • parameter P = D = 0 : it turns OFF the slave module.

To enter the timer programs, go to menu PE $i\Pi$, see point 8.1:

the key-switch on the room globe-sensor.

1=Monday 2=Tuesday

• press 🗲 to confirm the value; To exit press or wait for Hor sec.

module and in master SCM830 setting.

17.

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them cyclically.

now the display shows the first timer program set for the selected zone. The display shows the message "-- : - - " in case no timer programs are set:

To check the set timer programs or locate the first free place of memory:

Press the number of the place of memory is signalled as ""--:--".

To set a timer program:

- Hold the sutton until the digits of hours "---:" of the new timer program flash.
- ↑ or ↓ button to select the starting hour of the timer program; Press
- button to confirm the selected value; the digits of minutes ":- -" flash;
- 🔨 or 💵 to select the minutes, they move forward / backward by 10;
- button to confirm the value; the following symbols light on "1234567"; Press
- ▲ or ▲ button to select the day(s) when the timer program should be active, i.e.: Press

"2"	"1 2 3 4 5"	
2 =Tuesday	Weekdays: Monday to Friday	
4.		

Press Ket to confirm it: the display shows the temperature setpoint set for the timer program.

Slave modules for heating plants:

- ON = set-point comfort, SP1C, timer program of outputs ON. 0 If in heating / winter mode / reverse action: it is a program of burner ON with SP1C. If in summer / fan mode: it is a program of fan ON (according to the model);
- W ON = set-point economy, SP1E, timer program of outputs ON (option only available with r0=2, according to the model).
- If in heating / winter mode / reverse action: it is a program of burner ON with **SP1E**. If in summer / fan mode: it is a program of fan ON (according to the model). NOTE: when you add new timer programs of economy set-point SP1E and then you set the slave module to work only with the comfort set-point SP1C (r0=1), all SP1E timer programs will be automatically executed as timer programs with SP1C;
- ON = anti-frost protection set point, OFF, it is a program of output OFF. 0 If in heating / winter mode / reverse action: it is a program of burner OFF with anti-frost protection set point, only if $rt \neq 0$.

If in summer / fan mode OFF: it is a program of FAN OFF (according to the model).

modules for evaporative coolers: Slave

- ON = timer program of COOL output ON, COOL; ~
- SON = timer program of FAN output ON, FAN; 0
- OFF ON = timer program of outputs OFF, OFF

or 🛂 to set the desired timer program;

- to confirm and save the timer program just set; Press
- Press to go to the next space of memory;

• go to the menu PE in desired:

- To delete just ONE timer program:
 - press to select the scheduled timer program to cancel;
 - Hold \frown or \checkmark for ~3s, until the display shows "-----";
 - To delete ALL the saved TIMER programs:
 - Hold or v for 6s until the display shows "EALL".
- To exit press or wait for HOr sec.

BURNER RESET

Function only available for the slave modules featuring the reset command.

- Press 1 / V to select the slave module;
- hold the key \bowtie pressed until the display shows r5L;
- release the key, now the display shows the value 00, set the parameter to 01 and press solution or wait 3sec. without pressing any key;
- now a burner reset is executed

A Should the label BLK blink, it means that the reset is locked, see parameters H30 and H31. If H31=1 you can reset the burner maximum 5 times in 15minutes. If you exceed the 5 attempts within 15min. the burner command locks, the icon BLK blinks and the parameter H30 goes to 1. Set H30 = 2 to unlock the reset command.

DISPOSAL 19.

The device must be disposed of in compliance with local standards regarding the collection Ø of electric and electronic equipment.

NOTES 20.

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A Si BLK clignote, la commande de réinitialisation est bloquée (v. paramètres H30 et H31). Avec H31=1, il n'est pas possible de réinitialiser un brûleur en bloc plus de 5 fois dans l'arc de 15 minutes. Dépassé les 5 tentatives en 15min. la commande de réinitialisation s'arrête, BLK clignote et le paramètre H30=1. Réglez ensuite H30=2 pour déverrouiller la commande de réinitialisation

ELIMINATION

Le dispositif doit être éliminé conformément aux réglementations locales relatives à la X collecte des appareils électriques et électroniques.

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