#### english



Please read this document carefully before using this product. The guarantee will be invalidated if the device is damaged by not following instructions detailed in the manual. The company shall not be responsible for any damage or losses however caused, which may be experienced as a result of the installation or use of this product.

## ENDA EDT2411A DIGITAL THERMOSTAT

Thank you for choosing ENDA EDT2411A temperature controller.

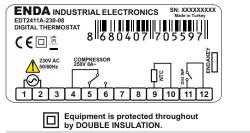
- 35x77mm
- On-Off control. Relay output for cooling or heating control.
- Single NTC probe input.
- Offset value can be entered for NTC input.
- Compressor protection parameters can be set.
- In case of probe failure, output status can be set to ON. OFF or periodic.
- Upper and Lower setpoint value limits can be adjusted.
- Selectable "Smart Defrost" feature.
- Defrosting duration and intervals can be adjusted.
- 6 Different warning tone selections.
- Lower and upper alarm limit can be adjusted to depending on set value.
- Temperature unit can be selected °C or °F.
- Digital input : - External alarm
  - Initiate defrost
- Transfer device parameter settings with ENDAKEY - No power-up required.
- RS485 ModBus protocol communication feature (optional).
- CE marked according to European Norms.

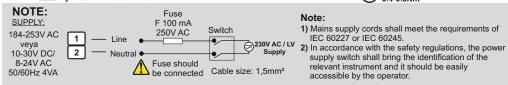


## CONNECTION DIAGRAM



ENDA EDT2411A is intended for installation in control panels. Make sure that the device is used only for intended purpose. The electrical connections must be carried out by a qualified staff and must be according to the relevant locally applicable regulations. During an installation, all of the cables that are connected to the device must be free of electrical power. The device must be protected against inadmissible humidity, vibrations, severe soiling and make sure that the operation temperature is not exceeded. The cables should not be close to the power cables or components.







Order code : EDT2411A -2 3 1 - Supply Voltage 1 230......230V AC

UV......90-250V AC (Valid for RS orders)

LV......10-30V DC / 2-Output 8-24V AC 20......20A Relay output

EDT2411A-UV-20-RS DIGITAL THERMOSTAT

1 2 3 4

90-250V AC COMPRESSOR 50/60Hz 277V 20A~

IEC 60227 or IEC 60245.

accessible by the operator.

5

Holding screw 0.4-0.5Nm

supply switch shall bring the identification of the

relevant instrument and it should be easily

(€□\[\bar{\bar{\mathbf{A}}}\]

ъ

08.....08A Relay output

ENDA INDUSTRIAL ELECTRONICS SN: XXXXXXXXX

6 7 8 9 10 11 12 13

ä

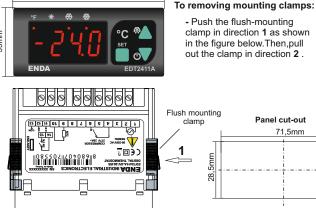
14 15

8 6 8 0 4 0 7 7 0 5 5 8 0

3 - Modbus RS..... Modbus (Specify at order)

- Max. humidity 80% for temperatures up to 31°C decreasing linearly to **Relative Humidity** 50% relative humidity at 40°C. Protection Class According to EN60529; Front panel : IP65, Rear panel : IP20 Height Max. 2000m KEEP AWAY device from exposed to corrosive, volatile and flammable gases or liquids and KEEP AWAY device from exposed to controling, control of the device in similar hazardous locations. ELECTRICAL CHARACTERISTICS Supply Voltage 230V AC +%10-%20, 50/60Hz : 10-30V DC / 8-24V AC SMPS: 90-250V AC (Valid for RS orders) **Power Consumption** Max, 5VA Connection 2.5mm<sup>2</sup> screw-terminal connections -60.0 ... +150.0°C (-76.0 ... +302.0°F) Scale Sensitivity 0.1°C (Can be selected as 0.1°C or 1°C.) Accuracy ±1°C Time Accuracy ±1% 4 digits, 12.5mm, 7 segment LED (V2 Code : Blue Display) Display EN 61326-1: 2013 EMC Safety Requirements EN 61010-1: 2010 (Pollution degree 2, overvoltage category II) OUTPUTS For EDT2411A-X-08 : Relay : NO+NC 250V AC.8A (resistive load). 1/2HP. 0.37KW 240V AC (inductive load) **Relay Output** For EDT2411A-X-20 ; Relay : NO 277V AC,20A (resistive load), 1/2HP. 0.37KW 250V AC (inductive load) For EDT2411A-X-08; Without load 30.000.000 mechanical; 250V AC. 8A resistive load 100.000 electrical operation. Life Expectancy for Relay For EDT2411A-X-20; Without load 10.000.000 switching;
  - 277V AC,20A (for resistive load) 100.000 electrical operation. CONTROL Control Type Single set-point control **Control Algorithm** On-Off control Hysteresis Adjustable between 1 ... 20.0°C. HOUSING Housing Type Suitable for flush -panel mounting Dimensions W77xH35xD61mm

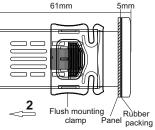
DO NOT clean the device with solvent (thinner, gasoline, acid etc.) and / or abrasive cleaning agents.



- Push the flush-mounting clamp in direction 1 as shown in the figure below. Then, pull out the clamp in direction 2.

Panel cut-out

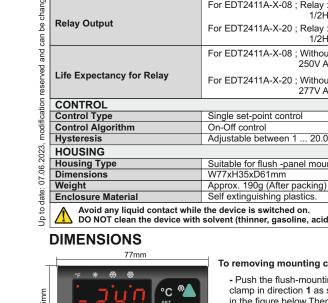
71,5mm



Depth

Note: 1) Panel thickness should be maximum 7mm. 2) If there is no 60mm free space at the back side of the device it would be difficult to remove it from the panel.

1 / 4 EDT2411A-EN-04-07062023



**ENVIRONMENTAL CONDITIONS** 

Ambient / Storage Temperature 0 ... +50°C/-40 ... 85°C (without icing)

<ul> <li>°F. FAHRENHEIT LED : In parameter value or the measured temperature value "°F" unit while this LED lights up. In the hidden menu at the same time the user menu parameter is shown the LED lights up.</li> <li>★ HEATING LED : Heating is being checked; while the output is active, the LED lights.</li> </ul>
DEFROST LED : With the defrost lights up.
COMPRESSOR LED : If compressor output is active, this LED lights up. While these compressor delays expected, this LED flashes.
°F ★ ↔ ↔
In "Running Mode", indicates the set value. In "Programming Mode", indicates the selected parameter value.
While in "Programming Mode", provides the transition to the next parameter. If parameter is being
adjusted, it increases parameter's value. Constantly holding this key, the parameter value rapidly increases.
ENDA EDT2411A While in "Programming Mode", provides the transiton to the previous parameter. If parameter is being adjusted, it decreases parameter's value. Constantly holding this key, the parameter value
rapidly decreases.
FRONT PANEL COMMANDS
1. Viewing and Changing The Set Value
-24.0 value — ■ — -30.0 — ▼ — -29.9 — ▲ — -30.0
While in "Running mode", if key is pressed set value is displayed for 3 seconds. While in this case, the set value is changed with VA keys.
2. Locking and Unlocking Keys
Keys are locked.
-24.0 Measurement LOC
Keys are unlocked.
UI IL ·
While in "Running Mode", if weys are pressed together for 2 seconds, LDE message is displayed and the keys are locked. If the keys are locked and if weys are pressed for 2 seconds again, URL message is displayed and keys are unlocked. While keys are locked and if
displayed but can not be changed. While the keys are locked and if any key is pressed (except set key), LOC message appears.
3. Manuel Defrost Process
While in the "Running Mode", if 🔺 key is pressed for 2 seconds, defrost process starts manually. If D.DUR parameter is D, manual defrost will be inactive.
4. Activating / Inactivating The Control Outputs
The control ouput becomes inactive. * When in the "Running Mode", if the control outputs
-24.0 Measurement value The control output becomes inactive. "When in the "Running Mode", if the control outputs are inactive, 0FF message appears periodically.
CENB The control output becomes active.
When in the "Running mode", if 🛡 key is pressed for 2 seconds, C.DIS message is displayed and control outputs becomes to the inactive position, the device works
as the indicator. When the control outputs are disabled; if key pressed for 2 seconds [.EnB is disabled and the device continues to control function.
5. Changing Parameter Values
If $\triangle$ keys are pressed together for 2 seconds $\iota^{p}l^{\gamma}$ is displayed and "User Menu" is entered, then first parameter's name is displayed in the user menu.
While a parameter is selected, by pressing 📕 key, parameter value can be displayed. This parameter can be changed with 🚺 keys. If no operation
performed for 3 seconds or during this time, we key is pressed while parameter value displayed, parameter name will be displayed again. While parameter name displayed, if by pressing together keys, "Running Mode" is entered.
displayed, if by pressing together Var Keys, routhing mode is entered.
6. The Hidden Menu Program Mode
$[ \rho_{2}]$ While in "User Menu", if $\nabla$ key is pressed for 7 seconds the $\iota^{\rho_{2}}$ message is displayed and hidden
by pressing key an a manual changed with keys Parameter accessing and saving functions
can be performed like a "User Menu". All parameters can be accessed from this menu.
UPL 7. How can we to transfer parameter between menus?
If verse are pressed together for 2 seconds; parameter is transferred to the user menu. In this way up to 8 parameters can be transferred to the "User Menu".
In "User Menu" if keys are pressed together for 2 seconds, parameter is removed from "User Menu.
When a parameter is displayed "User Menu", °F LED lights up in hidden menu. If there is no parameter in
HS5 "User Menu", RP message is displayed.
ERROR MESSAGES
PFR     No communication with thermostat sensor. (Sensor and/or cable broken or not connected)     PSC     Thermostat probe or connection line short-circuited.
Temperature value is higher than the scale.     Temperature value is lower than the scale.
<b>WWW</b> -24.0 <b>1.</b> Measurements shown flashes when the alarm condition occurs and if SnD parameter is not 0, audible warning is heard.
While warning, by pressing key, audible warning can be temporarily disabled.
<b>2.</b> External alarm is active but the outputs are unaffected.
<b>3.</b> External alarm is active and in this state, specifies that the relay outputs are turned off (off state).
58 While working by proceing any key and the working can be to propagate at standard (or state).
SR While warning, by pressing any key, audible warning can be temporarily disabled.
58 While working by processing any key audithe working can be temporarily disabled

#### ENDAKEY PARAMETER TRANSFER

TRANSFERRING THE PARAMETERS FROM ENDAKEY TO DEVICE

# Read button

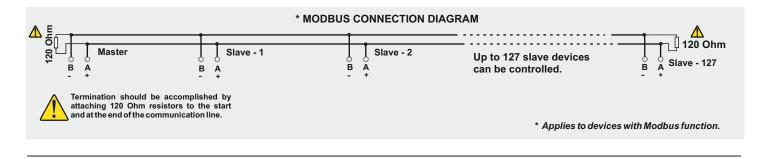
While in "Running Mode", if **v** key on device or "Read" button on "ENDAKEY" is pressed, "DL" message appears on display and parameters are read and transferred to the device. If the parameter transfer is successful, the "REF" message appears and the device begins to work with the loaded parameter values. If the parameters are wrong, incorrect or "ENDAKEY" is faulty, "ERR" message appears. Parameters will not be changed on device.

#### TRANSFERRING THE PARAMETERS FROM DEVICE TO ENDAKEY

While in "Running Mode", if  $\triangle$  key is pressed on device, "UL" message appears on display and parameters are read and transferred to the device. If process success, "SUE" message appears. In case of failure, "Err" message appears. Parameters will not be changed on device.

**NOTE 1**: No power-up required for transfering the parameter by using "ENDAKEY". For long battery life, "ENDAKEY" must be disconnected from device after the transferring process. **NOTE 2**: Please specify at order "ENDAKEY" if required.

CONTRO	PARAMETERS	Min.	Max.	UNIT	DEFAULI VALUE
UPL	Upper limit for setpoint	-60.0	UPL °C	ISO	
LOL	Lower limit for setpoint	LOL	150.0 ° <b>C</b>		
HYS	Differential cooling (hysteresis)	0.1	0.05	°C	5
OFF	Offset value for cooling	-20.0	0.05	°C	0
CONFIG	JRATION PARAMETERS		1	1	I
С.ТУР	Control type selection ( HE = (*) heating control is selected, CD = Cooling control is selected.) Defrost control is disabled if the CTYP parameter is set to HE.	со	HΕ		со
UNIT	Temperature unit	C	F		С
OPAT	Decimal point (no= decimal point isn't shown 22°C, 955=decimal point is shown 22.3°C.)	NO	985		NO
SND	Buzzer type selection. Six different sounds can be selected. The alarm sound will be disabled when set to 0.	0 6		0	
D.INP	Digital input types. ND: Digital input not used. ER: External alarm, ER message flashes on the display. Output is not affected. SR: Important external alarm. SR message flashes on the display, relay output is switched off. HE: Control type selection; CTYP parameter will be switched to the HE or CO when this parameter is changed. DF: Defrost operation starts.	ND	DF		ND
001	Digital input delay. The period of the digital inputs to be active.	0:00	99:00		0:00
DPO	Digital input polarity.       EL = While a digital input contact is closed, it is activated.         BP= While a digital input is opened, it is activated.	CL	OP		CL
COMPRE	SSOR PROTECTION PARAMETERS			1	1
C.P00	Delay time for the compressor after power is on.	0:00	99:00 <b>n</b>	nin:sec	1:00
C.FOS	Delay time required for the compressor to restart following a stop.	0.00	99:00 <b>n</b>	nin:sec	1:00
C.860	On time for the compressor output in the case of probe failure.	0:00	99:00 mir		0.00
C.PPF	Off time for the compressor output in the case of probe failure		99:00 min:	-	1:00
	T CONTROL PARAMETERS	0.00	45.00 11111	400	1.00
0.SMT	Smart Defrost selection (R0 : Defrost counter (between 2 defrost duration) decrease irrespective of DLRT status of the compressor. YE5 : Defrost counter decreases as long as compressor work.).	no	YES		no
D.DUR	Defrost duration (If D.DUR = 0 selected, automatic and manual defrost is disabled).	00	99:00	min:sec	1:00
D.INT		00 99:00		hr:min	1:00
0.05P	Display configuration in defrosting process (RE : Real temperature is displayed during defrost. (LE : During a defrosting process, last measured temperature value is displayed before the defrosting process. This value remains constant until the end of defrosting.	ις.	RE		LC.
D.DRE	Delay time for display real temperature after defrost is over.	0:0039:0	10	min:sec	1:00
D.PON	Defrost process with power. ( n0 = Defrost process is not started when power-up. 955 = Defrost process starts when power-up ).	no	SES		no
0.0P0	Delay time for defrosting after power-up.	0:00	99:00	min:sec	1:00
ALARM	CONTROL PARAMETERS		1	1	1
R.UPL	Limit for upper alarm level. When R.TYP is changed, RUPL should be readjusted.	R.LOL	150.0 °C	<b>)</b> ISO	
8.LOL	Limit for lower alarm level. When R.TYP is changed, RLOL should be readjusted.	-60.0	R.UPL	°C	-60
8.895	Hysteresis alarm	0.1	0.05	°C	5
Я.ТУР	Aarm configuration. (RB5 = Independent alarm. Alarm values are RLOL and RUPL.) (REF = Relative alarm. Alarm values are SET-RLOL and SET+RUPL.) NOTE: Upper and Lower alarm level variables are determined according to the "RTYP" parameter. If RTYP = RB5, RLOL and RUPL. If RTYP = REF, LOL = SET-RLOL and RUPL.	885	REF	R	85
R.DFL	Time delay to display alarm message after alarm is on.	0:00	99:00 i	min:sec	0:00
8.020	Time delay to display alarm message after power is on.	0:00	89:00	hr:min	0:10
	COMMUNICATION PARAMETERS			-	
RDRS	Modbus slave device address for device	1	247		1
BRUD	Modbus communication speed ( Baud rate, 0 : 0FF, 1 :1200, 2 : 2400, 3 : 4800, 4 : 9600, 5 :19,200 )	· ·	3120	bps	9600
01100		1 01 13	alco		1 2000



### ENDA EDT2411A DIGITAL THERMOSTAT MODBUS PROTOCOL ADDRESS MAP

1.1 HO	LDING	REG	GISTERS				
Holding Register Data Addresses Type Decimal Hex			Data Content		Read/Write Permission	Status Value	
b0000	0x0000	word	Set value		Read / Write	-20	
0001d	0x0001	word	Set point upper limit	UPL	Read / Write	150	
0002d	0x0002	word	Upper level alarm	R.UPL	Read / Write	150	
0003d	0x0003	word	Set point lower limit	LOL	Read / Write	-60	
0004d	0x0004	word	Lower level alarm	8.LOL	Read / Write		
0005d	0x0005	word	The offset value for the cooling	OFF	Read / Write	-60	
0006d	0x0006	word	Cooling hysteresis	895	Read / Write		
0007d	0x0007	word				5	
			Switch hysteresis for alarm	8.895	Read / Write	5	
b8000	0x0008	word	Type of buzzer sound	SND	Read / Write	0	
0009d	0x0009	word	Digital input types .0=ND;1=ER;2=5R;3=HC;4=DF	D.INP	Read / Write	ND	
0010d	0x000A	word	Digital input delay	001	Read / Write	0:00(0 sec	
0011d	0x000B	word	Delay time for the compressor after power is on.	C.PON	Read / Write	1:00(60 sec	
0012d	0x000C	word	Delay time required for the compressor to restart following a stop.	C.FOS	Read / Write	0:00(0 sec	
0013d	0x000D	word	On time for the compressor output in the case of probe failure	C.PPN	Read / Write	0:00(0 sec	
0014d	0x000E	word	Off time for the compressor output in the case of probe failure	C.PPF	Read / Write	1:00(60 sec	
0015d	0x000F	word	Defrost duration	D.DUR	Read / Write	1:00(60 sec	
0016d	0x0010	word	The time between 2 consecutive defrosts.	D.INT	Read / Write	1:00(60 mir	
0017d	0x0011	word	Delay time for defrosting after power is on.	0.0P0	Read / Write	1:00(60 sec	
0018d	0x0012	word	After the cooling process of cooling start-up delay	D.DRE	Read / Write	1:00(60 sec	
0019d	0x0013	word	Time delay to display alarm message after alarm is on.	R.DFL	Read / Write	0:00(0 sec	
0020d	0x0014	word	Time delay to display alarm message after power is on.	8.0P0	Read / Write	0:10(10 min	
1.2 INF	PUT RE	EGIST	ſERS				
Input R Addr Decimal	egister esses Hex	Data Type	Data Content	Parameter Name	Read/Write Permission		
	0,0000				Rea		
0000d	0x0000	word	Measured temperature value (°C / °F)			d	
* Holding paramet while the	and Input ters. (So,"1 ose specie	Register I4.0" is a s define	parameters of type integer, those "signed integer" is defined as the decin a parameter value of "140" will be read in). Relevant parameters for a per d in minutes.	mal port of and		ese	
* Holding a paramet while the <b>1.3 DIS</b>	and Input ters. (So,"1 ose specie	Register I4.0" is a s define	parameters of type integer, those "signed integer" is defined as the decin a parameter value of "140" will be read in). Relevant parameters for a per d in minutes.	mal port of and		ese	
* Holding a paramet while the <b>1.3 DIS Discrete</b>	and Input ters. (So,"1 pse specie SCRET Input	Register I4.0" is a s define <b>E INF</b> Data	<ul> <li>parameters of type integer, those "signed integer" is defined as the decina parameter value of "140" will be read in). Relevant parameters for a per d in minutes.</li> <li>PUTS</li> </ul>	mal port of and riod of "mm:ss"	type ones in secor Read/M	ese nds, "hh:mm" /rite	
paramet while the 1.3 DIS Discrete Addre	and Input ters. (So,"1 ose specie SCRET Input sses	Register I4.0" is a s define <b>E INF</b>	parameters of type integer, those "signed integer" is defined as the decin a parameter value of "140" will be read in). Relevant parameters for a per d in minutes.	mal port of and riod of "mm:ss"	type ones in secor	ese nds, "hh:mm" /rite	
<sup>6</sup> Holding paramet while the <b>1.3 DIS</b> Discrete	and Input ters. (So,"1 ose specie SCRET Input sses	Register I4.0" is a s define <b>E INF</b> Data	<ul> <li>parameters of type integer, those "signed integer" is defined as the decina parameter value of "140" will be read in). Relevant parameters for a per d in minutes.</li> <li>PUTS</li> </ul>	mal port of and riod of "mm:ss"	type ones in secor Read/M	ese nds, "hh:mm" /rite sion	
* Holding paramet while the <b>1.3 DIS</b> <b>Discrete</b> Addre Decimal 0000d	and Input ters. (So,"/ pse specie SCRET Input sses Hex 0x0000	Register 4.0" is a s define <b>E INF</b> Data Type	parameters of type integer, those "signed integer" is defined as the decin a parameter value of "140" will be read in). Relevant parameters for a per d in minutes. PUTS Data Content	mal port of and riod of "mm:ss"	type ones in secor Read/W Permis	ese nds, "hh:mm" /rite sion	
<sup>t</sup> Holding i paramet while the <b>1.3 DIS</b> <b>Discrete</b> Addre Decimal 0000d <b>1.4 COILS</b>	and Input ters. (So,"/ pse specie SCRET Input sses Hex 0x0000	Register 4.0" is a s define <b>E INF</b> Data Type	parameters of type integer, those "signed integer" is defined as the decin a parameter value of "140" will be read in). Relevant parameters for a per d in minutes. PUTS Data Content	mal port of and riod of "mm:ss"	type ones in secor Read/M Permis Read/M Read/M	ese nds, "hh:mm" /rite sion	
* Holding ; paramet while the <b>1.3 DIS</b> Discrete Addre Decimal 0000d 1.4 COILS C Add Decimal	and Input ters. (So,"1 Dose specie SCRET Input sses Hex 0x0000 S Coil dresses Hex	Register 14.0" is a s define <b>E INF</b> Data Type Bit Data Type	parameters of type integer, those "signed integer" is defined as the decin a parameter value of "140" will be read in). Relevant parameters for a per d in minutes. PUTS Data Content Control output status (0=OFF; 1=ON) Data Content	mal port of and riod of "mm:ss"	type ones in secor Read/M Permis Read Read/W Permis	ese Ids, "hh:mm" /rite sion /rite sion	
* Holding ; paramet while the <b>1.3 DIS</b> Discrete Addre Decimal 0000d 1.4 COILS C Add Decimal 00d	and Input ters. (So,"1 Dise specie SCRET Input sses Hex 0x0000 S Coil dresses Hex 0x00	Register 14.0" is a s define <b>E INF</b> <b>Data</b> <b>Type</b> Bit <b>Data</b> <b>Type</b> Bit	parameters of type integer, those "signed integer" is defined as the decina parameter value of "140" will be read in). Relevant parameters for a per d in minutes.         PUTS         Data Content         Control output status (0=OFF; 1=ON)         Data Content         Control type selection. OFF = [0]	Parameter Name Parameter Name C.TSP	type ones in secor Read/W Permis Read Read/W Permis Read /	ese Ids, "hh:mm" /rite sion /rite sion Write	
* Holding : paramet while the <b>1.3 DIS</b> <b>Discrete</b> Addre Decimal 0000d <b>1.4 COILS</b> C Add Decimal 00d 01d	and Input ters. (So,"1 Dise specie SCRET Input sses Hex 0x0000 S Coil dresses Hex 0x00 0x00 0x01	Register 14.0" is a s define <b>E INF</b> Data Type Bit Data Type Bit Bit	parameters of type integer, those "signed integer" is defined as the decinal parameter value of "140" will be read in). Relevant parameters for a period in minutes.         PUTS         Data Content         Control output status (0=OFF; 1=ON)         Data Content         Control type selection. OFF = C0       ON = HE         Temperature unit. OFF = °C , ON = °F	mal port of and riod of "mm:ss" Parameter Name Parameter Name C.TYP UNIT	type ones in secor Read/M Permis Read Read/M Permis Read / Read /	ese Ids, "hh:mm" /rite sion / /rite sion Write Write	
* Holding : paramet while the Discrete Addre: Decimal 0000d 1.4 COILS C Add Decimal 00d 01d 02d	and Input ters. (So,"4 ose specie SCRET Input sses Hex 0x0000 S Coil dresses Hex 0x00 0x01 0x02	Register 14.0" is a s define <b>E INF</b> <b>Data</b> <b>Type</b> Bit <b>Data</b> <b>Type</b> Bit Bit Bit	Parameters of type integer, those "signed integer" is defined as the decinal parameter value of "140" will be read in). Relevant parameters for a period in minutes.         PUTS         Data Content         Control output status (0=OFF; 1=ON)         Data Content         Control type selection. OFF = 0 ON = HE         Temperature unit. OFF = °C , ON = °F         Decimal point . OFF=0 ON = 4E	Mal port of and riod of "mm:ss" Parameter Name Parameter Name C.TYP UNIT D.PNT	type ones in secor Read/M Permis Read Read/M Permis Read / Read / Read /	ese Ids, "hh:mm" /rite sion /rite sion Write Write Write Write	
* Holding : paramet while the Discrete Addre Decimal 0000d 1.4 COILS C Add Decimal 00d 01d 02d 03d	and Input ters. (So,"1 Dise specie SCRET Input sses Hex 0x0000 S Coil dresses Hex 0x00 0x01 0x02 0x03	Register 14.0" is a s define <b>E INF</b> Data Type Bit Data Type Bit Bit Bit Bit	Parameters of type integer, those "signed integer" is defined as the decinal parameter value of "140" will be read in). Relevant parameters for a period in minutes.         PUTS         Data Content         Control output status (0=OFF; 1=ON)         Data Content         Control type selection. OFF = E0       ON = HE         Temperature unit. OFF = °C       ON = °F         Decimal point . OFF=0       ON = 9P	Mal port of and riod of "mm:ss" Parameter Name Parameter Name C.TYP UNIT 0.PNT 0.PO	type ones in secor Read/W Permis Read Read// Permis Read / Read / Read / Read /	ese Ids, "hh:mm" /rite sion /rite sion Write Write Write Write Write	
* Holding paramet while the <b>1.3 DIS</b> <b>Discrete</b> Addre <b>Decimal</b> 0000d <b>1.4 COILS</b> <b>C</b> Add <b>Decimal</b> 00d 01d 02d 03d 04d	and Input ters. (So,"/ pse specie SCRET Input sses Hex 0x0000 S Coil dresses Hex 0x00 0x01 0x02 0x03 0x04	Register (4.0" is a s define <b>E INF</b> Data Type Bit Bit Bit Bit Bit Bit Bit	Parameters of type integer, those "signed integer" is defined as the decinal parameter value of "140" will be read in). Relevant parameters for a period in minutes.         PUTS         Data Content         Control output status (0=OFF; 1=ON)         Data Content         Control type selection. OFF = 0 ON = HE         Temperature unit. OFF = °C , ON = °F         Decimal point . OFF=0 ON=HES         Digital input polarity. OFF = 0 ON = HE         Smart Defrost selection. OFF = 0 ON = HE	mal port of and riod of "mm:ss" Parameter Name  Parameter Name C.TYP UNIT D.PNT D.PNT D.PNT D.PNT	type ones in secor Read/W Permis Read Read / Read / Read / Read / Read / Read /	ese Ids, "hh:mm" /rite sion /rite sion Write Write Write Write Write Write Write	
* Holding : paramet while the Discrete Addre Decimal 0000d 1.4 COILS C Add Decimal 00d 01d 02d 03d	and Input ters. (So,"1 Dise specie SCRET Input sses Hex 0x0000 S Coil dresses Hex 0x00 0x01 0x02 0x03	Register 14.0" is a s define <b>E INF</b> Data Type Bit Data Type Bit Bit Bit Bit	Parameters of type integer, those "signed integer" is defined as the decinal parameter value of "140" will be read in). Relevant parameters for a period in minutes.         PUTS         Data Content         Control output status (0=OFF; 1=ON)         Data Content         Control type selection. OFF = E0       ON = HE         Temperature unit. OFF = °C       ON = °F         Decimal point . OFF=0       ON = 9P	Mal port of and riod of "mm:ss" Parameter Name Parameter Name C.TYP UNIT 0.PNT 0.PO	type ones in secor Read/W Permis Read Read// Permis Read / Read / Read / Read /	ese ds, "hh:mm" /rite sion /rite sion Write Write Write Write Write Write Write Write	