

KEYS AND LEDs

<p>UP Press and release Scrolls through menu items Increases values Press for at least 5 secs Activates the Manual Defrost function</p>	<p>Compressor Permanently on: compressor active Flashing: delay, protection or blocked start-up otherwise Off:</p>
<p>DOWN Press and release Scrolls through menu items Decreases values Press for at least 5 secs Configurable function by user (see parameter H32)</p>	<p>Defrost Permanently on: defrost active Flashing: manual or D.I. activation otherwise Off:</p>
<p>STAND-BY (ESC) Press and release Returns to the previous menu level Confirm parameter value Press for at least 5 secs Activates the Stand-by function (when outside the menus)</p>	<p>Fan Permanently on: fans active Off: otherwise</p>
<p>SET (ENTER) Press and release Displays alarms (if active) Opens the Machine Status menu Press for at least 5 secs Opens the Programming menu Confirms commands</p>	<p>Alarm Permanently on: alarm on Flashing: alarm acknowledged Off: otherwise</p>

ACCESSING AND USING THE MENUS

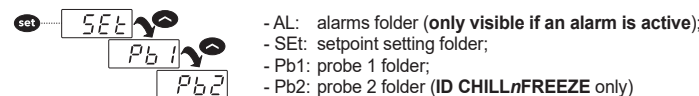
Resources are organised into 2 menus which are accessed as explained below:

- 'Machine Status' menu: press and release the **set** key.
- 'Programming' menu: press for at least 5 secs the **set** key.

Either do not press any keys for 15 seconds (time-out) or press the **ESC** key once, to confirm the last value displayed and return to the previous screen.

MACHINE STATUS MENU

Access the "Machine Status" menu by pressing and releasing the **set** key. If no alarms are active, the "SEI" label appears. By pressing the **UP** and **DOWN** keys you can scroll all folders in the "Machine Status" menu:



Setting the Set point:

To display the setpoint value press the **set** key when the 'SEI' label is displayed.

The setpoint value appears on the display. To change the setpoint value, press the **UP** and **DOWN** keys within 15 seconds. Press **set** to confirm the modification.



Displaying the probes:

When the Pb1 or Pb2* label is displayed, press **set** and the associated probe value will appear (* Pb2 is only present on model ID CHILLnFREEZE).

SETPOINT EDIT LOCK

It is possible to disable the keypad on this device. The keypad can be locked by programming the 'LOC' parameter. With the keypad locked you can still access the 'Machine Status' menu by pressing **set** to display the setpoint, but you cannot edit them. To disable the keypad lock, repeat the locking procedure.

PROGRAMMING MENU

To access the 'Programming' menu press for at least 5 secs the **set** key. If specified, the 'PA1' access PASSWORD will be requested (see 'PASSWORD' paragraph).

At the access, the display will show the first parameter ('dIF').

By pressing the **UP** and **DOWN** keys you can scroll all parameters in the Programming menu:



Select the desired parameter using the **UP** and **DOWN** keys. Press **set** to see the current value of the selected parameter. Press **UP** and **DOWN** to change the value and then press **set** to save it.

NOTE: It is strongly recommended that you switch the device off and on again each time the parameter configuration is changed, in order to prevent malfunctioning of the configuration and/or ongoing timings.

PASSWORD

The password **PA1** allow access to the level 1 parameters (User). Default setting has the password **PA1** disabled (**PA1** = 0).

To enable the password **PA1** (**PA1** ≠ 0) and assign the required value, enter in the 'Programming' menu, select the parameter **PS1** with **UP** and **DOWN** keys, press the **set** key, assign the required value and confirm it by pressing the **set** key again. If the password **PA1** is already enable, at the access to the 'Programming' menu, will be required to put in the password **PA1**.

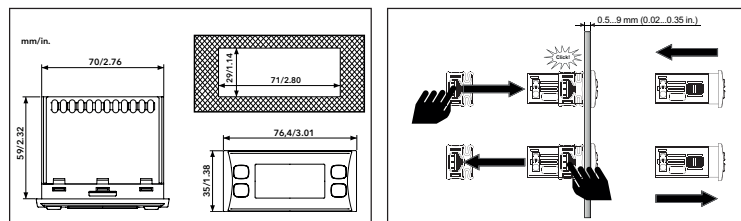
To enter the password **PA1**:



If the password is incorrect, the display will show the **PA1** label and you will have to repeat the entry procedure.

MECHANICAL ASSEMBLY

The device is designed for panel mounting. Drill a 71x29 mm (2.80x1.14 in.) hole and insert the device; secure it with the special brackets provided. Keep the area around the device cooling slots adequately ventilated. The panel thickness must be between 0.5...10 mm (0.02...0.39 in.).



TECHNICAL DATA

The product complies with the following harmonized Standards: EN 60730-1 and EN 60730-2-9

Construction of control: Electronic automatic Incorporated Control
 Purpose of control: Operating control (non-safety related)
 Type of action: 1.B
 Pollution degree: 2
 II
 Overvoltage category: 2500 Vac
 Rated impulse voltage: Temperature: -5...55 °C (23...131 °F)
 Ambient operating conditions: Humidity: 10...90 %RH (non-condensing)

Transportation and storage conditions: Temperature: -30...85 °C (-22...185 °F)
 Humidity: 10...90 %RH (non-condensing)
 Power supply: 230 Vac (±10%) 50/60 Hz
 Power draw (maximum): 4.5 W
 Software class: A

Loads:	Model	Relay	Description
	ID COOL	Compressor	EN60730-1 12(8) A max 250 Vac or UL607302 Hp (12FLA - 72LRA) max 240 Vac
	ID CHILLnFREEZE	Compressor	EN60730-1 12(8) A max 250 Vac or UL607302 Hp (12FLA - 72LRA) max 240 Vac
		Defrost	NO 8(4) A - NC 6(3) A max 250 Vac
		Fan	5(2) A max 250 Vac

FURTHER INFORMATION

Input Characteristics

Measurement range: **NTC:** -50...110 °C (-58...230 °F) - **PTC:** -55...140 °C (-67...284 °F)
 (on display with 3½ digits + sign).
 Accuracy: Better than 0,5% of full-scale + 1 digit.

Resolution: 0.1 °C (0.1 °F)
 Buzzer: NO
 Analogue Inputs: **ID COOL:** 1 NTC input - **ID CHILLnFREEZE:** 2 NTC inputs
 Digital Inputs: 1 voltage-free digital input

Mechanical Characteristics

Dimensions: Front 76.4x35 mm (3.01x1.38 in.) - Depth 59 mm (2.32 in.)
 (without terminals).

Terminals: removable screw terminals for 2.5 mm² (13 AWG) cross-section wires
 Connectors: TTL for copy card connection (maximum length 3 m - 118 in.)

NOTE: The technical specifications stated in this document regarding measurement (range, accuracy, resolution, etc.) refer to the device alone and not to any accessories provided (for example probes).

ELECTRICAL WIRING

⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power from all equipment including connected devices, prior to removing any covers or doors, or installing or removing any accessories, hardware, cables, or wires.
- Always use a properly rated voltage sensing device to confirm the power is off where and when indicated.
- Replace and secure all covers, accessories, hardware, cables and wires.
- For all the devices where this is provided, confirm that a proper ground connection exists before applying power to the unit.
- Use only the specified voltage when operating this device and any associated products.

Failure to follow these instructions will result in death or serious injury.

⚠️ DANGER

LOOSE WIRING CAUSES ELECTRIC SHOCK AND/OR FIRE

Tighten the connections in compliance with the technical specifications for torque values and make sure the wiring is correct.

Failure to follow these instructions will result in death or serious injury.

Rules for removable terminal blocks with pitch **5.00 mm** (0.197 in.) or **5.08 mm** (0.2 in.):

7 mm 0.28 in.								
mm ²	0.2...2.5	0.2...2.5	0.25...2.5	0.25...2.5	2 x 0.2...1	2 x 0.2...1.5	2 x 0.25...1	2 x 0.5...1.5
AWG	24...13	24...13	22...13	22...13	2 x 24...18	2 x 24...16	2 x 22...18	2 x 20...16

	N·m	0.5...0.6
0 3.5 mm (0.14 in.)	4.42...5.31	

⚠️ WARNING

POTENTIAL OF OVERHEATING AND/OR FIRE

- Do not use with loads other than those indicated in the technical data.
- Do not exceed the maximum permitted current; in the case of higher loads, use a contactor with suitable power.
- Verify that your application has not been designed with device outputs connected directly to devices generating a frequently activated capacitive load ⁽¹⁾.

Failure to follow these instructions will result in death or serious injury.

⁽¹⁾ Even if the application does not apply a frequently activated capacitive load to the relay, capacitive loads reduce the life of any electromechanical relay and the installation of a contactor or external relay, sized and maintained according to the ratings and characteristics of the capacitive load, helps to minimize the consequences of relay degradation.

⚠️ WARNING

UNINTENDED EQUIPMENT OPERATION

- Use appropriate safety interlocks where personnel and/or equipment hazards exist.
- Install and operate this equipment in an enclosure appropriately rated for its intended environment.
- Power line and output circuits must be wired and fused in compliance with local and national regulatory requirements for the rated current and voltage of the particular equipment.
- Do not use this equipment in safety-critical machine functions.
- Do not disassemble, repair, or modify this equipment.
- Do not mount devices in extremely damp and/or dirt-laden areas.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

⚠️ WARNING

UNINTENDED EQUIPMENT OPERATION DUE TO CONNECTION

Signal leads (probes, digital inputs, communication and the electronic supply) must be routed separately from power cables.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

Probes have no connection polarity and can be extended using a regular bipolar cable (note that the extension of the probes affects the EMC electromagnetic compatibility of the instrument: pay extreme attention to wiring).

FLAMMABLE REFRIGERANT GASES

This equipment is designed to operate in non-hazardous areas and where applications which generate - or could potentially generate - hazardous atmospheres have been isolated. Install this equipment only in areas and with applications known to be constantly free from hazardous atmospheres.

⚠️ DANGER

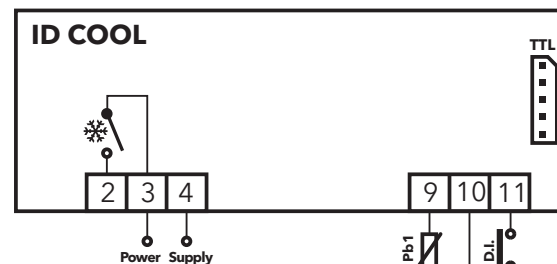
POTENTIAL FOR EXPLOSION

- Install and use this equipment in non-hazardous locations only.
- Do not install or use this equipment in applications which could generate hazardous atmospheres, such as those using flammable refrigerants.

Failure to follow these instructions will result in death or serious injury.

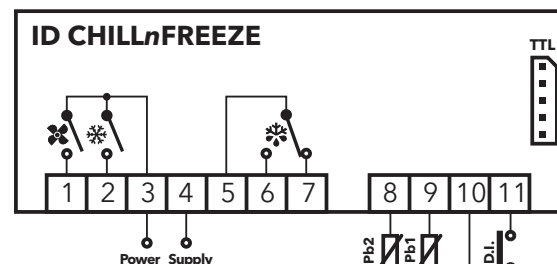
For information regarding the use of co-ntrol equipment in applications capable of generating hazardous materials, please contact the regulatory office or the local, regional or national certification authority.

ID COOL CONNECTIONS



TERMINALS			
2-3	Compressor relay (❄️)	9-10	Pb1 probe
3-4	Power Supply input 230 Vac	11-10	Digital Input (D.I.)
TTL	TTL input		

ID CHILLnFREEZE CONNECTIONS



TERMINALS			
1-3	Fan relay (🌀)	9-10	Pb1 probe
2-3	Compressor relay (❄️)	8-10	Pb2 probe
5-6-7	Defrost relay (❄️)	11-10	Digital Input (D.I.)
3-4	Power Supply input 230 Vac	TTL	TTL input

MANUAL DEFROST CYCLE ACTIVATION

To manually activate the defrost cycle, hold down the **UP** key for 5 seconds. If the defrost conditions are not satisfied:

- the parameter **OdO** ≠ 0 (**ID COOL** and **ID CHILLnFREEZE**)
- the evaporator probe **Pb2** temperature is higher than the defrost end temperature (**ID CHILLnFREEZE**)

the display will flash 3 times, to indicate that the operation will not be carried out.

USING THE COPY CARD

The Copy Card is connected to the serial port (TTL) and allows rapid programming of the device parameters. Access Installer parameters by entering 'PA2', scroll through the folders using **UP** and **DOWN** until folder **FPr** appears. Select it using **set**, scroll through the parameters using **UP** and **DOWN**, then select the function using **set** (eg. **UL**).

Upload (UL): Select **UL** and press **set**. This function uploads the programming parameters from the device to the card. If the procedure is a success, 'y' will appear on the display, otherwise 'n' will appear.

Format (Fr): This command is used to format the copy card (recommended when using the card for the first time).

NOTE: the **Fr** parameter deletes all data present. This operation cannot be cancelled.

Download from reset: Connect the Copy Card when the device is switched off. At power-on, data is downloaded from the Copy Card to the instrument automatically. At the end of the lamp test, the display will show 'dLy' if the operation was successful and 'dLn' if not.



NOTE: After downloading, the instrument works with the settings of the new map just downloaded.

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EN ENGLISH

ID COOL / CHILLnFREEZE



Electronic controllers for refrigeration units

TABLE OF PARAMETERS

PAR.	DESCRIPTION	RANGE	ID COOL	ID CHILLnFREEZE	M.U.	
SEt	Temperature SEtpoint. The SEtpoint is only visible in the 'machine status' menu.	ID COOL ID CHILLnFREEZE	0.0...20.0 -40.0...10.0	3.0	-2.0	°C/°F
COMPRESSOR						
diF	diFferential. Relay compressor tripping differential. The compressor stops on reaching the Setpoint value (as indicated by the cold room probe), and restarts at temperature value equal to the Setpoint plus the value of the differential. NOTE: the value 0 cannot be assumed.	0.1...30.0	2.0	2.0		°C/°F
OSP	Offset Set Point. Temperature Value to be added to the Set-Point if reduced set is enabled (Economy function).	-30.0...30.0	0.0	0.0		°C/°F
dOd	digital (input) Open door. Digital input that allow you to switch off loads. Valid if H11 = ±4 (door switch). n(0) = does not switch off loads; y(1) = switch off loads.	n/y	n	n		flag
dAd	digital (input) Activation delay. Delay time in activating the digital input.	0...255	0	0		min
Ont	ON time (compressor). Compressor activation time in the event of probe in error. If OFt=1 and Ont=0 , the compressor is always off, while if OFt=1 and Ont>0 it operated in duty cycle mode.	0...250	15	15		min
OFt	OFF time (compressor). Compressor deactivation time in the event of probe in error. If Ont=1 and OFt=0 , the compressor is always on, while if Ont=1 and OFt>0 it operated in duty cycle mode.	0...250	15	15		min
dOn	delay (at) On compressor. Delay time in activating the compressor relay after switch-on of instrument.	0...250	0	0		s
dOF	Delay after switch off, the indicated time must elapse between switch off of the compressor relay and the successive switch on.	0...250	1	1		min
dbi	delay between power-on. Delay between switch-ons; the indicated time must elapse between two successive switch-ons of the compressor.	0...250	0	0		min
OdO(!)	delay Output (from power) On. Delay time in activating the outputs after switch-on of the instrument or after a power failure.	0...250	0	0		min
DEFROST						
dty	defrost type. Type of defrosting. 0 = electric defrost - compressor off (OFF) during defrosting; 1 = reverse cycle defrost (hot gas); compressor on (ON) during defrosting; 2 = Free defrost; defrosting independently of compressor.	0/1/2	-	0		flag
dit	defrost interval time. Interval between the start of two successive defrosting operations.	0...250	6	6		hours
dCt	defrost Counting type. Selection of count mode for the defrosting interval. 0 = compressor operating hours (DIGIFROST® method); Defrosting active only if compressor is on; 1 = Real Time - equipment operating hours; defrost counting is always active when the machine is on and start everytime the device switch on; 2 = compressor stop. Each time the compressor stops a defrosting cycle is performed according to parameter dTY.	0/1/2	1	1		num
dOH	defrost Offset Hour. Start-of-defrosting delay time from the call.	0...59	0	0		min
dEt	defrost Endurance time. Defrosting time-out; determines duration of defrosting.	1...250	20	25		min
dSt	defrost Stop temperature. Defrost stop temperature (defined by the evaporator probe).	-50.0...150.0	-	8.0		°C/°F
dPO	Determines if at the start-up the instrument must enter defrosting (if the temperature measured by the evaporator allows this operation). n(0) = no; y(1) = yes.	n/y	n	n		flag
EVAPORATOR FAN						
FPT	Characterizes the 'FSt' parameter that can be expressed or as an absolute temperature value or as a value related to Setpoint. 0 = absolute; 1 = relative.	0/1	-	0		flag
FSt	Fan Stop temperature. Fan lock temperature; if the value, read by the evaporator probe, is higher than the set value, fans stop.	-50.0...150	-	2.0		°C/°F
FAd	FAn differential. Fan starting differential (see par. 'FSt').	1.0...50.0	-	2.0		°C/°F
Fdt	Fan delay time. Delay time in activating fans after a defrost operation.	0...250	-	3		min
dt	drainage time. Dripping time.	0...250	-	1		min
dFd	defrost Fan disable. Allows to select the evaporator probes exclusion during defrost. n(0) = no; y(1) = yes (fan disable).	n/y	-	y		flag
FCO	Fan Compressor OFF. Allows to select compressor fans lock OFF (switched off). n(0) = fans off; y(1) = fans activated (with thermostat; based on the value read by the defrost probe, see parameter 'FSt').	n/y	-	y		flag
Fod	Fan open door. Fans active when the door is open. Allows you to select the option of stopping the fans when the door is open, and re-starting the fans when door is closed (if they were active). n(0) = fans stop; y(1) = fans unchanged.	n/y	-	n		flag
ALARMS						
Att	Allow you to select if the parameters HAL and LAL will have absolute (Att=0) or relative (Att=1) value.	0/1	0	0		flag
AFd	Alarm Fan differential. Alarm differential.	1.0...50.0	2.0	2.0		°C/°F
HAL	Maximum temperature alarm. Temperature value (in relative value) which if exceeded in an upward direction triggers the activation of the alarm signal.	LAL...150	50.0	50.0		°C/°F
LAL	Minimum temperature alarm. Temperature value (in relative value), which if exceeded in a downward direction, triggers the activation of the alarm signal.	-50.0...HAL	-50.0	-50.0		°C/°F
PAO	Power-on Alarm Override. Alarm exclusion time after instrument switch on, after a power failure.	0...10	0	0		hours
dAO	defrost Alarm Override. Temperature alarm exclusion time after defrost.	0...999	0	0		min
OAO	Alarm signaling delay after digital input disabling (door close). Alarm is only for high-low temperature alarms.	0...10	0	0		hours
tdO	time out door Open. Alarm activation delay time open door.	0...250	0	0		min
tAO	temperature Alarm Override. Temperature alarm signal delay time.	0...250	0	0		min
dAt	defrost Alarm time. Alarm for defrosting ended due to time out. n(0) = alarm deactivated; y(1) = alarm activated.	n/y	-	n		flag
EAL	External Alarm Clock. External alarm to lock loads. n(0) = don't lock loads; y(1) = lock loads.	n/y	n	n		flag
COMMUNICATION						
dEA	Device address in family (valid values from 0 to 14).	0...14	0	0		num
FAA	Device family (valid values from 0 to 14). The FAA and dEA values represent the network address of the equipment and are indicated in the following format "FF.DD" (where FF = FAA and DD = dEA).	0...14	0	0		num
DISPLAY						
LOC	LOCK. Setpoint change shutdown. See related paragraph. There is still the possibility to enter into parameters programming and modify these, including the status of this parameter to permit keyboard shutdown. n(0) = no; y(1) = yes.	n/y	n	n		flag
PS1	PAssword 1. When enabled (value ≠ 0) it constitutes the access key for level 1 parameters.	0...250	0	0		num
ndt	number display type. View with decimal point. n(0) = no; y(1) = yes.	n/y	y	y		flag
CA1	CAlibration 1. Positive or negative temperature value added to the value read by probe 1.	-12.0...12.0	0.0	0.0		°C/°F
CA2	CAlibration 2. Positive or negative temperature value added to the value read by probe 2.	-12.0...12.0	-	0.0		°C/°F
ddL	defrost display Lock. Viewing mode during defrosting. 0 = shows the temperature read by the room probe; 1 = locks the reading on the temperature value read by room probe when defrosting starts, and until the next time the Setpoint value is reached; 2 = displays the label "dEF" during defrosting, and until the next time the Setpoint value s reached.	0/1/2	2	2		num
dro	display read-out. Select °C or °F for displaying the temperature read by the thermostat probe. (0 = °C, 1 = °F). NOTE: the switch between °C and °F DO NOT modify setpoint, differential, etc. (for example set=10°C become 10°F)	0/1	0	0		flag
ddd	Selection of type of value to be displayed. 0 = Setpoint; 1 = cold room probe (Pb1); 2 = evaporator probe (Pb2).	0/1/2	1	1		num
CONFIGURATION						
H00 (!)	Probe type selection. 0 = PTC; 1 = NTC.	0/1	1	1		num
H08 (!)	Stand-by operating mode. 0 = display switch off; 1 = display switch off, loads and alarms stopped; 2 = display with OFF label, loads and alarms stopped.	0/1/2	2	2		num
H11 (!)	Configuration of digital inputs/polarity. 0 =disabled; ±1 =defrosting; ±2 =reduced set; ±3 =not used; ±4 =door switch; ±5 =external alarm; ±6 =Stand-by (ON-OFF). NOTE: '+' sign indicates that the input is activated when the contact is closed; '-' sign indicates that the input is activated when the contact is open.	-6...6	0	0		num
H32 (!)	DOWN button configurability. 0 = disabled; 1 = defrost; 2 = not used; 3 = reduced set; 4 = stand-by.	0...4	0	0		num
H42 (!)	Evaporator probe present. n(0) = not present; y(1) = present.	n/y	-	y		flag
reL	reLease firmware. Device version: read only parameter.	/	/	/		/
tAb	tAble of parameters. Reserved: read only parameter.	/	/	/		/
COPY CARD						
UL	Upload. Programming parameter transfer from instrument to Copy Card.	/	/	/		/
Fr	Format. Erasing all data in the copy card.	/	/	/		/

(!) **NOTE** : If one or more of these parameters highlighted with (!) are modified, the controller must be switched off and switched on again to ensure correct operation.

DIAGNOSTICS

Alarms are always indicated by the alarm icon (⚠).

NOTES: If alarm exclusion times have been set (see 'AL' folder), the alarm will not be signalled.

If the probe 1 (Pb1) is in error, will appear directly on the display the indication **E1**.

If the probe 2 (Pb2) is in error, will appear directly on the display the indication **E2** (ID CHILLnFREEZE only).

ALARMS

LABEL	DESCRIPTION	CAUSE	EFFECTS	SOLUTION
E1	Probe PB1 error	• Measured values are outside operating range. • Probe or corresponding wiring in short-circuit or open circuit.	• Label E1 displayed • Alarm led permanently ON • Maximum/minimum temperature alarm regulator disabled • Compressor operation based on parameters Ont and OFt .	• verify probe type (NTC) • verify the probe wiring • replace probe
E2	Probe PB2 error ID CHILLnFREEZE only	• Measured values are outside operating range. • Probe or corresponding wiring in short-circuit or open circuit.	• Label E2 displayed • Alarm LED permanently ON • Defrost will end due to Timeout (Parameter dEt)	• verify probe type (NTC) • verify the probe wiring • replace probe
AH1	Probe1 HIGH Temperature alarm	value read by Pb1 > HAL for longer than time tAO . (see 'MAXIMUM/MINIMUM TEMPERATURE ALARM')	• Alarm AH1 added to folder AL • No effect on regulation	Wait until temperature value read by probe1 returns below HAL.
AL1	Probe1 LOW Temperature alarm	value read by Pb1 < LAL for longer than time tAO . (see 'MAXIMUM/MINIMUM TEMPERATURE ALARM')	• Alarm AL1 added to folder ALr • No effect on regulation	Wait until temperature value read by probe1 to come back above LAL
EA	External alarm	Digital input activated (H11 set as external alarm).	• Alarm EA added to folder AL • Alarm LED permanently ON • Regulation inhibited if EAL = y	Verify and remove the external cause that caused the alarm on the digital input D.I.
OPd	Door Open alarm	Digital input activated (H11 set as door switch). (for a longer time than tdO)	• Alarm OPd added to folder AL • Alarm LED permanently ON • Regulator inhibited	Close the door
Ad2	Defrosting for time-out	End of defrosting because of time instead of because of reaching the defrost end temperature detected by the Pb2 probe.	• Alarm Ad2 added to folder AL • Alarm LED permanently ON	Wait for the next defrost for an automatic deactivation

MAXIMUM/MINIMUM TEMPERATURE ALARM

	Relative Temperature Value to setpoint (Att=1)	Absolute Temperature Value (Att=0)
Minimum temp. alarm	Temp. ≤ Set + LAL *	Temp. ≤ LAL (LAL with sign)
Maximum temp. alarm	Temp. ≥ Set + HAL **	Temp. ≥ HAL (HAL with sign)
Returning from min temp. alarm	Temp. ≥ Set + LAL + AFd or ≥ Set - LAL + AFd (LAL < 0)	Temp. ≥ LAL + AFd
Returning from max temp. alarm	Temp. ≤ Set + HAL - AFd (HAL > 0)	Temp. ≤ HAL - AFd
	* if LAL is negative, Set+LAL<Set ** if HAL is negative, Set+HAL<Set	

RESPONSIBILITY AND RESIDUAL RISKS

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel.

The liability of Schneider Electric and Eliwell is limited to the correct and professional use of the product according to the directives referred to herein and in the other supporting documents, and does not cover any damage (including but not limited to) the following causes:

- installation/uses other than those expressly specified and, in particular, failure to comply with the safety requirements of established standards and/or instructions specified in this document;
- use on equipment that do not provide adequate protection against electric shocks, water or dust when assembled;
- use on equipment which allow access to dangerous parts without the aid of a keyed or tooling locking mechanism;
- tampering with and/or modification of the product;
- installation/use on equipment that do not comply with the regulations in force in the country of installation.

CONDITIONS OF USE

Permitted use

The device must be installed and used in accordance with the instructions provided. In particular, parts carrying dangerous voltages must not be accessible under normal conditions. The device must be adequately protected from water and dust with regard to the application, and must only be accessible using tools or a keyed locking mechanism (with the exception of the front panel). The device is suitable for use in household refrigeration appliances and/or similar equipment and has been tested in accordance with the harmonized European reference standards.

Prohibited use

Any use other than that expressly permitted is prohibited. The relays provided are of a functional type and can be subject to failure: any protection devices required by product standards, or suggested by common sense for obvious safety requirements, must be installed externally to the controller.

DISCLAIMER

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DISPOSAL



The device (or product) must be collected separately in compliance with current regulations on disposal.