EWEPlus -HC

USER INTERFACE

EWEPlus 400/500/902/961		EWEPlus 971/974
	1. Display 2. Esc/Stand-by key 3. Confirm key 4. Down key 5. Up key	

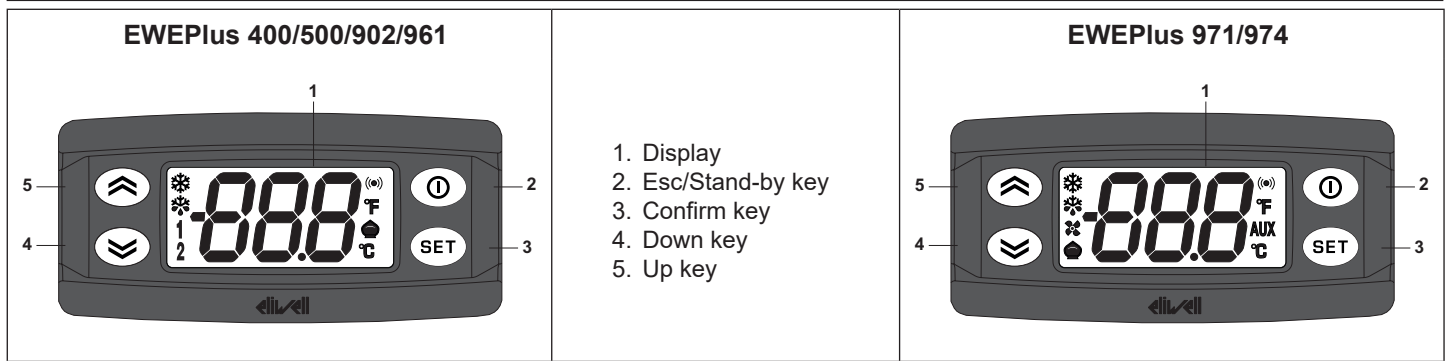## ELECTRICAL CONNECTIONS

⚡ ⚠ 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 except under the specific conditions specified in the user manual for this equipment.
- Always use a properly rated voltage sensing device to confirm the power is off where and when indicated.
- Before restoring the power supply, replace and secure all covers, hardware components and cables.
- Use only the specified voltage when operating this equipment and any associated products.
- Use appropriate safety interlocks where personnel and/or equipment hazards exist.
- Install and use this equipment in an enclosure appropriately rated for its intended environment.
- Do not use this equipment for safety-critical functions.
- Do not disassemble, repair, or modify this equipment.

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

⚡ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK AND/OR FIRE

- Do not expose the equipment to liquids.
- Do not exceed the temperature and humidity ranges specified in the technical data and keep the area surrounding the cooling slits aerated.
- Do not apply dangerous voltages to the SELV connection terminals (see 'Connections' section).
- Only connect compatible accessories - as specified in the user manual - to the device.
- Only use cables with a suitable cross-section (see 'Wiring guidelines' section).

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

⚠ WARNING

HAZARD 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 operated capacitive load [1].
- Power lines and output connections must be suitably wired and protected by means of fuses when required by national and local regulations.
- Connect the relay outputs, including the shared hub, using cables with a cross-section of 2.5 mm^2 and a length of at least 200 mm (7.87 in.).

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

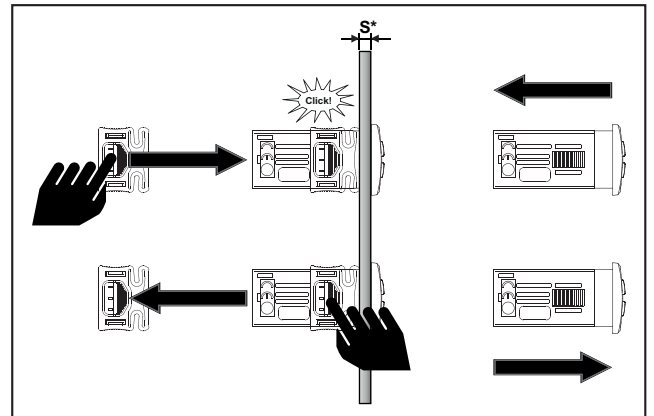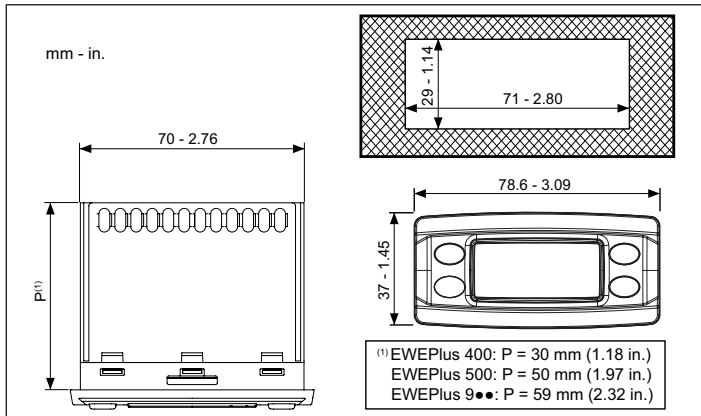[1] Even if your application not apply a frequently operated capacitive load on the relay, capacitive loads will reduce the life of any electromechanical relay, and installation of a contactor or an external relay, that is sized and maintained according the dimensions and characteristics of the capacitive load, will help minimize the consequence of relay degradation.

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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:

S* = 0.5...10 mm (0.02...0.39 in.)(modelli **EWEPlus 500/902/961/971/974**) e **S*** = 0.5...9 mm (0.02...0.35 in.)(modello **EWEPlus 400**).

(1) EWEPlus 400: P = 30 mm (1.18 in.)
EWEPlus 500: P = 50 mm (1.97 in.)
EWEPlus 9●●: P = 59 mm (2.32 in.)

FLAMMABLE REFRIGERANT GASES

The use of flammable gas refrigerants is dependent on may factors, including local, regional and/or national regulations.

The devices and corresponding accessories described in the documentation accompanying the product use components and, more specifically, electromechanical relays tested in accordance with IEC standard 60079-15 and classed as nC components (non-sparking 'n' electrical apparatus). This condition complies to Annex BB of EN/IEC 60335-2-89.

Conformance to Annex BB EN/IEC 60335-2-89 is considered sufficient, and thereby suitable, for commercial refrigeration and HVAC applications applying flammable gas refrigerants, such as R290. However, other limitations, equipment, locations and/or type of machine (refrigerators, vending machines and dispensers, bottle coolers, ice machines, Reach-Ins, etc.) may also be implicated, restricted and/or required in so doing.

The use and application of the information contained herein require expertise in the design and parameterizing/programming of HVAC and refrigeration control systems. Only you, the original equipment manufacturer, installer or user, can be aware of all the conditions and factors present, and the regulations applicable, during the design, installation and setup, operation, and maintenance of the machine or related processes.

Therefore, only you can determine the suitability of automation and associated equipment, and the related safeties and interlocks, which can be effectively and properly used in the locations for which the equipment is to be put into service. When selecting automation and control equipment, and any other related equipment or software for an application, you must also consider any applicable local, regional or national standards and/or regulations.

You must verify, while incorporating this controller and related equipment, the final compliance of the machine to regulations and standards when using flammable gas refrigerants. Although all statements and information contained herein are believed to be accurate and reliable, they are presented without warranty of any kind. Information provided herein does not relieve you from the responsibility of carrying out your own tests and validations of conformance to any applicable regulations.

⚠ WARNING

REGULATORY INCOMPATIBILITY

Make sure that all equipment used and systems designed comply with all applicable local, regional and national laws.

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

WIRING GUIDELINES

⚡⚠ DANGER

LOOSE WIRING CAUSES ELECTRIC SHOCK

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.

NOTICE

UNINTENDED EQUIPMENT OPERATION

SELV cables must be kept separate from other cables (see "Connections" section).

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

Use copper wires (obligatory).

The table below shows the type and size of permitted cables for screw terminal blocks and the torque values.

	mm in.	6.5 0.26									Ø 3.5 mm (0.14 in.)	C	N•m	0.5...0.6
	mm²		0.2...2.5	0.2...2.5	0.25...2.5	0.25...2.5	2 x 0.2...0.75	2 x 0.2...0.75	2 x 0.25...0.75	2 x 0.5...1.5			lb-in	4.42...5.31
	AWG		24...14	24...14	24...14	24...14	2 x 24...18	2 x 24...18	2 x 24...18	2 x 20...16				

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The table below shows the type and size of permitted cables for the type of screw terminal blocks illustrated below and the torque values.
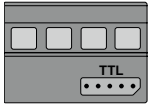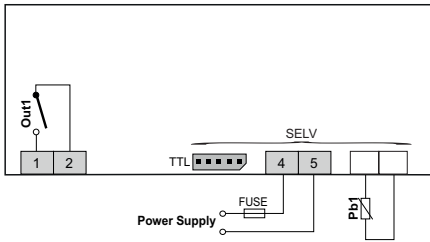
							N•m	0.5
mm / in.	**6.0** / **0.24**			Ø 3.5 mm (0.14 in.)	C		lb-in	4.5
	mm²	0.05…2.5	0.05…1.5					
	AWG	30…14	30…16					
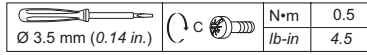
CONNECTIONS

EWEPlus 400 (12 Vac/dc)		
	TERMINALS	
	1-2	Relay **Out1**
	4-5	Power supply input 12 Vac/dc
	FUSE	Time-delay fuse 500 mA (T500mAH250V)
	Pb1	Probe **Pb1**
	TTL	TTL serial port
	SELV	SELV connections
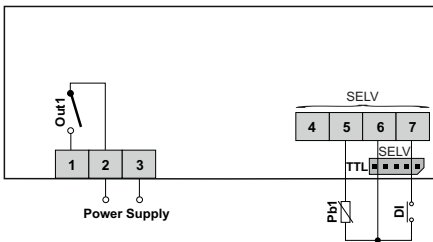
EWEPlus 500 (230 Vac)		
	TERMINALS	
	1-2	Relay **Out1**
	2-3	Power supply input 230 Vac
	5-6	Probe **Pb1**
	7-6	Digital input **DI**
	TTL	TTL serial port
	SELV	SELV connections

EWEPlus 902 (115 Vac - 230 Vac)		
	TERMINALS	
	1-2-3	Relay **Out1**
	4-5	Power supply input 115 Vac or 230 Vac (depending on the model)
	7-8	Probe **Pb1**
	9-8	Digital input **DI**
	TTL	TTL serial port
	SELV	SELV connections
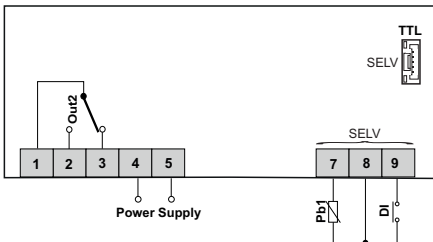
EWEPlus 961 (115 Vac - 230 Vac)		
	TERMINALS	
	2-3	Relè **Out1**
	3-4	Power supply input 115 Vac or 230 Vac (depending on the model)
	9-10	Probe **Pb1**
	11-10	Digital input **DI**
	TTL	TTL serial port
	SELV	SELV connections
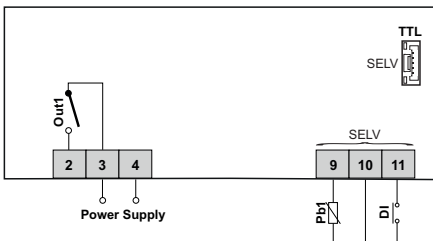
EWEPlus 971 (115 Vac - 230 Vac)		
	TERMINALS	
	2-3	Relay **Out1**
	3-4	Power supply input 115 Vac or 230 Vac (depending on the model)
	5-6-7	Relay **Out2**
	8-10	Probe **Pb2**
	9-10	Probe **Pb1**
	11-10	Digital input **DI**
	TTL	TTL serial port
	SELV	SELV connections
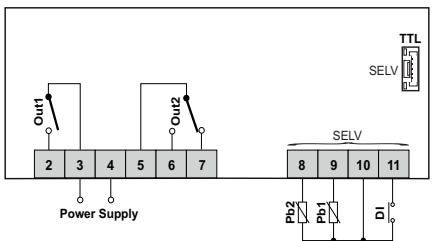
EWEPlus 974 (115 Vac - 230 Vac)		
	TERMINALS	
	1-3	Relay **Out3**
	2-3	Relay **Out1**
	3-4	Power supply input 115 Vac or 230 Vac (depending on the model)
	5-6-7	Relay **Out2**
	8-10	Probe **Pb2**
	9-10	Probe **Pb1**
	11-10	Digital input **DI**
	Imax	17 A maximum (115 Vac models only)
	TTL	TTL serial port
	SELV	SELV connections
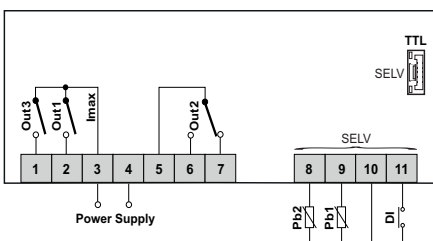
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TECHNICAL DATA

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 (models **EWEPlus 961/971/974**)
	1.C (models **EWEPlus 400/500/902**)
Degree of protection by enclosure:	IP00
Pollution degree:	2 (models **EWEPlus 500/902/961/971/974**)
	3 (model **EWEPlus 400**)
Overvoltage category:	II
Rated impulse voltage:	2500 V
Ambient operating conditions:	Models **EWEPlus 400/500/902** e **EWEPlus 961/971/974 - 230 Vac**
	Temperature: -5...55 °C (23...131 °F) - Humidity: 10…90 % RH (non-condensing)
	Models **EWEPlus 961/971/974 - 115 Vac**
	Temperature: 0...55 °C (32...131 °F) - Humidity: 10…85 % 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, 115 Vac (±10 %) 50/60 Hz, 12 Vac/dc (±10 %) Classe 2/SELV
Power draw (maximum):	5,5 VA (models **EWEPlus 400/500/902** and **EWEPlus 961/971/974 - 230 Vac**)
	4 VA (models **EWEPlus 961/971/974 - 115 Vac**)
Software class:	A
Environmental front panel rating:	Open type (models **EWEPlus 400/500/902** and **EWEPlus 961/971/974 - 230 Vac**)
	Type 1 enclosure (models **EWEPlus 961/971/974 - 115 Vac**)

Loads:

Models 230 Vac			
Model	**Relay**	**EU (230 Vac)**	**USA (230 Vac)**
EWEPlus 500	Out1	12(8) A	12FLA 72LRA
EWEPlus 902	Out2	NO 10(6) A - NC 9(5) A CO 9 A resistive	NO 10 A / NC 9 A resistive 5FLA 30LRA
EWEPlus 961	Out1	12(8) A	12FLA 72LRA
EWEPlus 971	Out1	12(8) A	12FLA 72LRA
	Out2	NO 8(4) A - NC 6(3) A	NO 8 A / NC 6 A resistive NO 3,6FLA 21,6LRA
EWEPlus 974	Out1	12(8) A	12FLA 72LRA
	Out2	NO 8(4) A - NC 6(3) A	NO 8 A / NC 6 A resistive NO 3,6FLA 21,6LRA
	Out3	5(2) A	5 A resistive - 2FLA 12LRA
Models 115 Vac			
Model	**Relay**	**EU (115 Vac)**	**USA (115 Vac)**
EWEPlus 902	Out2	NO 10(6) A - NC 9(5) A CO 9 A resistive	NO 10 A / NC 9 A resistive 5FLA 30LRA
EWEPlus 961	Out1	12(8) A	16FLA 96LRA
EWEPlus 971	Out1	12(8) A	16FLA 96LRA
	Out2	NO 8(4) A - NC 6(3) A	NO 8 A / NC 6 A resistive NO 3,6FLA 21,6LRA
EWEPlus 974	Out1	12(8) A	16FLA 96LRA
	Out2	NO 8(4) A - NC 6(3) A	NO 8 A / NC 6 A resistive NO 3,6FLA 21,6LRA
	Out3	3(2) A	3 A resistive - 1,4FLA 7,5LRA
Models 12 Vac/dc			
Model	**Relay**	**EU (230 Vac)**	**USA (230 Vac)**
EWEPlus 400	Out1	10(6) A	10FLA 60LRA

EWEPlus 400 - 12 Vac/dc model only:

⚡ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, OVERHEATING AND/OR FIRE

- Do not connect the equipment power supply directly to line voltage.
- Use only isolating SELV, Class 2 power suppliers/transformers to supply power to the equipment.

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

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PARAMETERS TABLE

NOTES: - The parameters with a gray background (☐) are only visible at 'Installer' level entering the **PA2** password.
- The parameters with the hyphen "-" are not present in the specific EWEPlus model.

Par	Description	Range	EWEPlus model						MU
			400	500	902	961	971	974	
SEt	Temperature control Setpoint. **The Setpoint is only visible in the 'machine status' menu.**	LSE...HSE	0.0	0.0	0.0	0.0	0.0	0.0	0,0
diF	Compressor relay activation differential.	0.1...30.0	2.0	2.0	2.0	2.0	2.0	2.0	°C/°F
HSE	Maximum value that can be assigned to the setpoint.	LSE...302	99.0	99.0	99.0	99.0	99.0	99.0	°C/°F
LSE	Minimum value that can be assigned to the setpoint.	-55.0...HSE	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0	°C/°F
OSP	Setpoint offset.	-30.0...30.0	3.0	3.0	3.0	3.0	3.0	3.0	°C/°F
HC	The regulator will execute operation for cooling (set '**C**(0)') or heating (set '**H**(1)').	C/H	C	C	C	C	-	-	flag
dOd	Enable loads switch-off on activation of door switch. **n** = Utilities not switched off; **y** = Utilities switched off.	n/y	-	n	n	n	n	n	flag
dAd	Activation delay for digital input.	0...255	-	0	0	0	0	0	min
Ont	Device switch-on time in the event of probe error. • if **Ont = 1** and **OFt = 0**, the compressor stays on permanently • if **Ont > 0** and **OFt > 0**, it runs in duty cycle mode.	0...250	0	0	0	0	0	0	min
OFt	Device switch-off time in the event of probe error. • if **OFt = 1** and **Ont = 0**, the compressor is always off • if **Ont > 0** and **OFt > 0**, it runs in duty cycle mode.	0...250	1	1	1	1	1	1	min
dOn	Compressor relay activation delay after request.	0...250	0	0	0	0	0	0	s
dOF	Delay after switching off and subsequent switch-on.	0...250	0	0	0	0	0	0	min
dbi	Delay between two consecutive compressor switch-ons.	0...250	0	0	0	0	0	0	min
OdO	Delay in activating outputs after the device is switched on or after a power outage. **0** = not active.	0...250	0	0	0	0	0	0	min
dty	Type of defrost. **0** = Electric defrost - compressor off during defrosting **1** = Reverse cycle defrost (hot gas) - compressor on during defrosting **2** = 'Free': defrost independent of the compressor.	0/1/2	-	-	-	-	0	0	num
dit	Interval between the start of two consecutive defrost cycles. **0** = function disabled (**defrost NEVER performed**)	0...250	6	6	6	6	6	6	hours
dCt	Selects the count mode for the defrost interval: **0** = Compressor hours of operation (DIGIFROST® method); defrost active ONLY with the compressor on. **1** = Appliance running time; defrost counting is always active when the machine is on and starts at each power-on; **2** = Compressor stoppage. Every time the compressor stops, a defrost cycle is performed according to parameter **dty**.	0/1/2	1	1	1	1	1	1	num
dOH	Defrost start delay time after request.	0...59	0	0	0	0	0	0	min
dEt	Defrost time-out; determines the maximum defrost duration.	1...250	30	30	30	30	30	30	min
dSt	Defrost end temperature (determined by probe Pb2).	-50.0...150	-	-	-	-	8.0	8.0	°C/°F
dPO	Determines whether the device enter defrost mode at power-on (if the temperature measured by the evaporator allows this operation). **n** (0) = no, no defrost at power-up **y** (1) = yes, defrost at power-up.	n/y	n	n	n	n	n	n	flag
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	0	flag
FSt	Evaporator fans lock temperature.	-50.0...150	-	-	-	-	50.0	50.0	°C/°F
Fot	Evaporator fan activation temperature. If the temperature read by the evaporator probe is lower than the value set, fans remain off.	-50.0...150	-	-	-	-	-50.0	-50.0	°C/°F
FAd	Evaporator fan trigger differential.	1.0...50.0	-	-	-	-	2.0	2.0	°C/°F
Fdt	Delay time in activating fans after a defrost operation.	0...250	-	-	-	-	0	0	min
dt	Dripping time.	0...250	-	-	-	-	0	0	min
dFd	Allows to select the evaporator fans exclusion during defrost. **n** (0) = no (in accordance with parameter FCO); **y** (1) = sì (fan off).	n/y	-	-	-	-	y	y	flag

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Par	Description	Range	EWEPlus model 400	500	902	961	971	974	MU
FCO	Evaporator fan operating mode. The valve status will be: *table below* **Duty cycle**: managed via parameters **Fon** and **FoF**.	n/y/dc	-	-	-	-	n	n	num
Fod	Used to select or deselect fan disabling with door open. **n** (0) = fans disabling **y** (1) = fans unchanged.	n/y	-	-	-	-	n	n	flag
FdC	Evaporator fan shutoff delay after compressor deactivation.	0...99	-	-	-	-	0	0	min
Fon	Evaporator fans ON time in duty cycle mode.	0...99	-	-	-	-	0	0	min
FoF	Evaporator fans OFF time in duty cycle mode.	0...99	-	-	-	-	0	0	min
Att	**HAL** and **LAL** parameter mode understood as an absolute temperature value or as a differential with respect to the Setpoint. 0 = absolute value; 1 = relative value. **NOTE:** In the presence of relative values (par. **Att**=1), parameter **HAL** should be set to positive values, while parameter **LAL** should be set to negative values (**LAL<0**).	0/1	1	1	1	1	1	1	flag
AFd	Alarm activation differential.	1.0...50.0	2.0	2.0	2.0	2.0	2.0	2.0	°C/°F
HAL	Maximum temperature alarm. Temperature value (intended either as distance from Setpoint or as an absolute value based on **Att**) which, if exceeded upward, triggers the activation of the alarm signal. See '**Maximum/minimum temperature alarms**'.	LAL...150	50.0	50.0	50.0	50.0	50.0	50.0	°C/°F
LAL	Minimum temperature alarm. Temperature value (intended as distance from the set point or as an absolute value based on **Att**) which, if exceeded downwards, triggers the activation of the alarm signal. See '**Maximum/minimum temperature alarms**'.	-50.0...HAL	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0	°C/°F
PAO	Alarm exclusion time after device switch on, after a power outage. **This parameter refers to high (HAL) / low (LAL) temperature alarms only.**	0...10	0	0	0	0	0	0	hours
dAO	Temperature alarm exclusion time after defrost. **This parameter refers to high (HAL) / low (LAL) temperature alarms only.**	0...999	0	0	0	0	0	0	min
OAO	High and low temperature alarms exclusion time after deactivation of the digital input (door closure). **This parameter refers to high (HAL) / low (LAL) temperature alarms only.**	0...10	-	0	0	0	0	0	hours
tdO	Alarm activation delay time open door.	0...250	-	0	0	0	0	0	min
tAO	Temperature alarm signal delay time. **This parameter refers to high (HAL) / low (LAL) temperature alarms only.**	0...250	0	0	0	0	0	0	min
dAt	Alarm for defrosting ended due to time out. **n** (0) = alarm deactivated; **y** (1) = alarm activated.	n/y	-	-	-	-	n	n	flag
EAL	External alarm locks controllers. **n** (0) = does not lock; **y** (1) = locks.	n/y	-	n	n	n	n	n	flag
AoP	Alarm output polarity. **0** = alarm active and output disabled; **1** = alarm active and output enabled.	0/1	-	-	-	-	1	1	flag
dEA	Index of the controller within the family (values valid from 0 to 14)	0...14	0	0	0	0	0	0	num
FAA	Device family (values valid from 0 to 14). The two values **FAA** and **dEA** represent the network address of the device and are indicated in the format "FF.DD" (where FF=**FAA** e DD=**dEA**).	0...14	0	0	0	0	0	0	num
LOC	Setpoint change shutdown. There is still the possibility to enter into parameters programming and modify these, including the status of this parameter. **n** (0) = no; **y** (1) = yes.	n/y	n	n	n	n	n	n	flag
PS1	PAssword 1. When enabled (**PS1≠0**) this is the access key to User parameters.	0...250	0	0	0	0	0	0	num
PS2	PAssword 2. When enabled (**PS2≠0**) this is the access key to Installer parameters.	0...250	15	15	15	15	15	15	num

FCO nested table:

Pb2	H42	FCO	Day (normal operation) Compressor ON	Compressor OFF
Pb2 Present	y	n	Thermostat controlled	OFF
		y	Thermostat controlled	Thermostat controlled
		dc	Duty cycle	Duty cycle
Pb2 In error	y	n	ON	OFF
		y	ON	OFF
		dc	ON	OFF
Pb2 Absent	n	n	ON	OFF
		y	ON	OFF
		dc	ON	OFF

Par	Description	Range	EWEPlus model						MU
			400	500	902	961	971	974	
ndt	Display with decimal point. **n** (0) = no (integers only); **y** (1) = yes (displayed with decimal point).	n/y	y	y	y	y	y	y	flag
CA1	Calibration 1. Positive or negative temperature value added to the value read by Pb1. This sum is used both for the temperature displayed and for regulation.	-12.0...12.0	0.0	0.0	0.0	0.0	0.0	0.0	°C/°F
CA2	Calibration 2. Positive or negative temperature value added to the value read by Pb2. This sum is used both for the temperature displayed and for regulation.	-12.0...12.0	-	-	-	-	0.0	0.0	°C/°F
ddL	Display mode during defrost. **0** = display the temperature read by **Pb1**; **1** = locks the reading on the temperature value read by **Pb1** when defrosting starts, and until the next time the **SEt** value is reached; **2** = displays **dEF** during defrosting, and until the next time the **SEt** value is reached (or until **Ldd** has elapsed).	0/1/2	1	1	1	1	1	1	num
dro	Select °C or °F for displaying the temperature read by probes. **0** = °C, **1** = °F. **NOTE:** switching between °C and °F or vice-versa DOES NOT modify the setpoint, differential, etc. (for example: **SEt** = 10 °C becomes 10 °F).	0/1	0	0	0	0	0	0	num
ddd	Selection of type of value to be displayed. **0** = setpoint; **1** = Pb1; **2** = reserved (**EWEPlus 400/500/902/961**) / Pb2 (**EWEPlus 971/974**).	0/1/2	1	1	1	1	1	1	num
H08	Standby operating mode. **0** = display switch off; the loads are active and the device reactivates the display to signal any alarms; **1** = display switch off, loads and alarms stopped; **2** = display with 'OFF' label, loads and alarms stopped.	0/1/2	2	2	2	2	2	2	num
H11	Configuration of digital input 1/polarity (**DI1**). **0** = disabled; **±1** = defrost; **±2** = reduced set; **±3** = door switch; **±4** = external alarm; **±5** = stand-by; **NOTE:** - the '+' sign indicates that the input is active if the contact is closed; - the '-' sign indicates that the input is active if the contact is open.	-5...5	-	0	0	0	0	0	num
H22	Configuration of digital output **Out2**. **0** = disabled; **1** = compressor; **2** = defrost; **3** = fans; **4** = alarm; **5** = stand-by.	0...5	-	-	-	-	2	2	num
H23	Configuration of digital output **Out3**. Same as **H22**.	0...5	-	-	-	-	-	3	num
H32	Configuration of **DOWN** key. **0** = disabled; **1** = defrost; **2** = reduced set; **3** = stand-by.	0...3	0	0	0	0	0	0	num
H42	Probe **Pb2** presence. **n** (0) = not present; **y** (1) = present.	n/y	-	-	-	-	y	y	flag
rEL	Release firmware. Read-only parameter.	/	/	/	/	/	/	/	/
tAb	Table of parameters. Read-only parameter.	/	/	/	/	/	/	/	/
UL	Upload. Programming parameter transfer from device to Copy Card/UNICARD.	/	/	/	/	/	/	/	/
Fr	Format. Erase all data contained in the Copy Card/UNICARD. **NOTE: If parameter 'Fr' is used, the data entered will be permanently lost. This operation cannot be cancelled.**	/	/	/	/	/	/	/	/
PA2	**The password is present at the end of the 'User' parameters and it is used to access the 'Installer' parameters.**								

LIABILITY 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 panels that do not provide adequate protection against electric shocks, water or dust when assembled;
- use on panels which allow access to dangerous parts without the aid of a keyed or tooled locking mechanism;
- tampering with and/or modification of the product;
- installation/use on panels that do not comply with the regulations in force in the country of installation.

DISCLAIMER

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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.

DISPOSAL

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

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