

MODELS AND OPTIONS									
I	J	W	P	S	A	*	*	*	*
Product family name		Product name			MODEL				
					N. of relays	Connectivity / RTC	Hardware option		
					2 = 2 relay	N = NFC	01 = TTL		
					4 = 4 relay	R = NFC, RTC	02 = BMS		
						B = NFC, RTC, Bluetooth	07 = BMS, 0...5V rat (humidity)		

Tab.1

Key:

- 1 display
- 2 icons/backlit buttons
- 3 icons

Button	Description	ON	Flashing
	Defrost	Active/Can be deactivated from the keypad	Waiting/ can be activated from the keypad
	On - Off	- Wake-up controller: On/ can be power off from the keypad - Go back in the parameters navigation	Off/ can be power on from the keypad
	Set point	Access temperature / humidity setpoint	-
	Up arrow	- Increase value - Scroll menu - Auxiliary function: active/ can be deactivated from the keypad	Auxiliary function: Waiting/ can be activated from the keypad

Button	Description	ON	Flashing
	Program	Pressed briefly: - wake-up controller - enter menu branch - save value and return to the parameter code Pressed and held (3 s): - enter programming mode	-
	Down arrow	- Decrease value - Scroll menu - Auxiliary function: active/ can be deactivated from the keypad	Auxiliary function: waiting/ can be activated from the keypad
	Compressor	Active	Waiting
	Evaporator fan	Active	-
	Auxiliary load	Active	-
	°C/ °F	Temperature unit of measure °C/ °F	-
	% rH	Relative humidity unit of measure %	-
	HACCP	Active HACCP alarms	-
	Service maintenance	Active alarms	-

Manual defrost activation

Pressed and held (3s)

Defrost activated

Unit power off

Pressed and held (3s)

Unit off

Change setpoint

Pressed and held (3s)

Select and confirm temperature set point

Parameter modification example

Pressed and held (3s)

Password installer menu

Password entry (psw 22)

Confirm PSD value

Parameter folder selection

Confirm folder

Parameter selection

Confirm parameter

Change parameter value

Confirm value

WIZARD CONFIGURATION MODE

APPLICA - App per mobile

Info & Documentazione

Tutorial

NFC

OFF ON

Bluetooth

OFF ON

LETTURA CONFIGURAZIONE

max 10 mm

LETTURA E SCRITTURA CONFIGURAZIONE

max 10 m

SCRITTURA CONFIGURAZIONE

110-220 Vac

WIZARD CONFIGURATION

Start configuration wizard (NFC)

Configuration wizard (NFC)

Repeat the wizard?

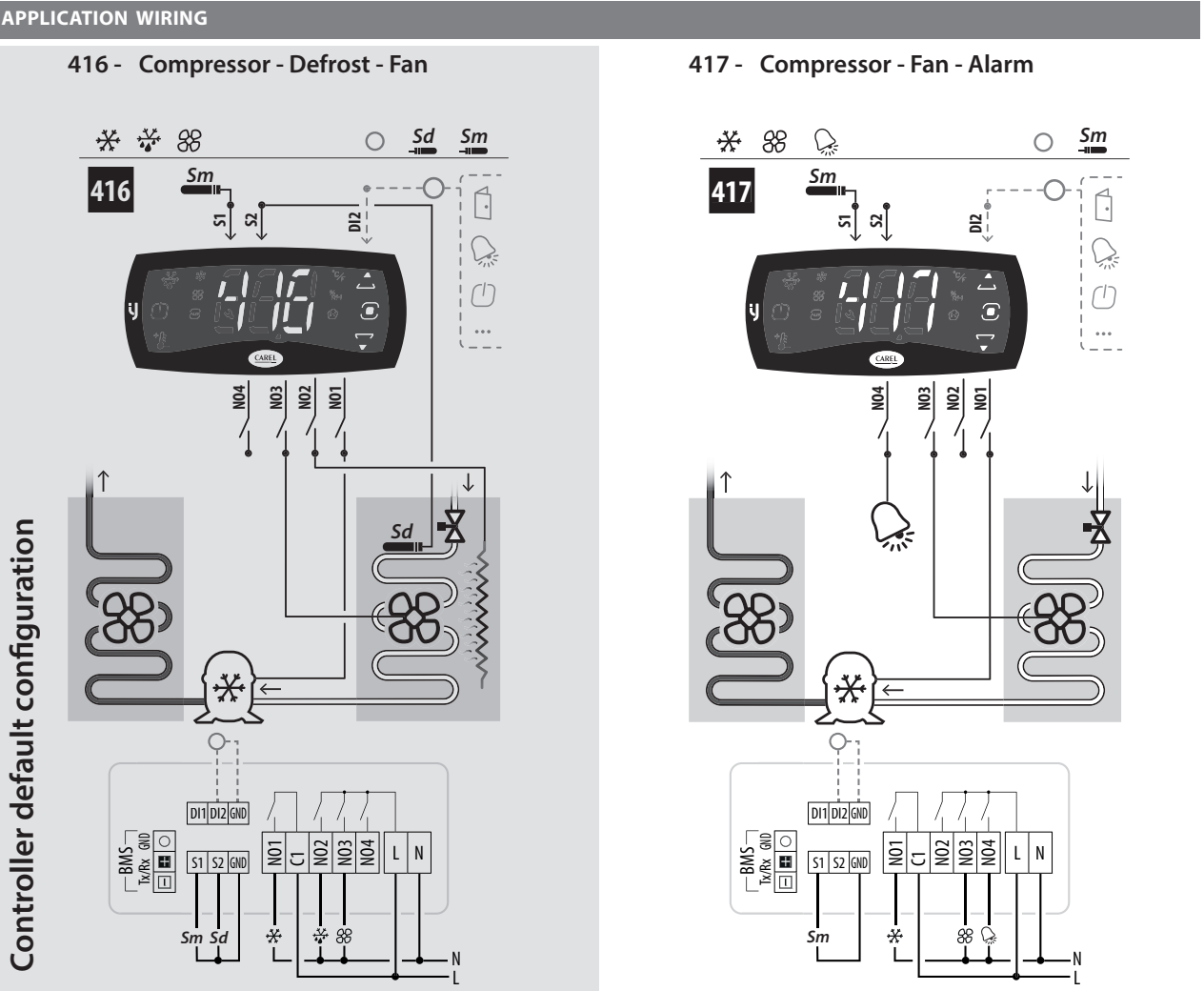
Repeat

Finish

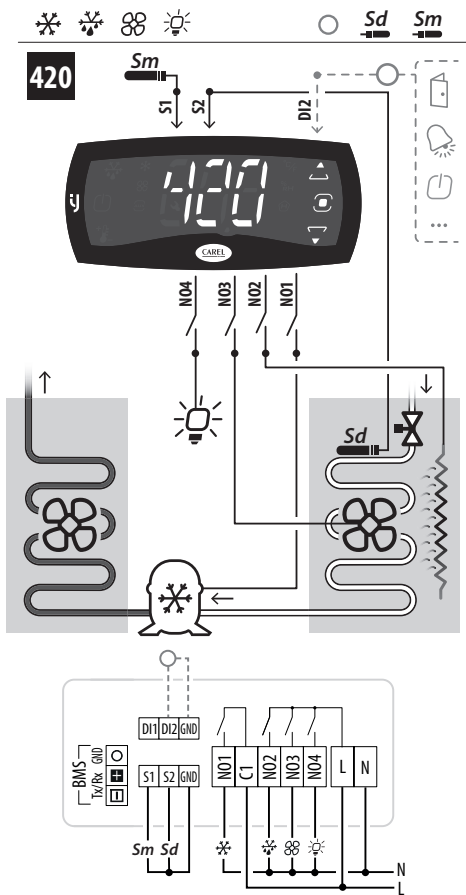
TABLE OF PARAMETERS AVAILABLE FROM KEYBOARD						
	Val.	Description	Def.	Min	Max	UoM
dir	Sc	Condenser temperature	Read only parameter		°C/°F	
	Sd	Defrost temperature	Read only parameter		°C/°F	
	Sm	Outlet temperature	Read only parameter		°C/°F	
Ctl	St	Regulation temperature setpoint	50/122	r1	r2	°C/°F
	rd	Regulation temperature differential	2/3.6	0.1/0.2	99.9/179.2	Δ °C/°F
	Sth	Humidity set point	90	0.0	100	% rH
	rdh	Humidity differential	5	0.1	99.9	Δ % rH
	iS	Configuration to upload (0: no configuration selected)	-	-	iS_max	-
r	r1	Minimum temperature setpoint	-50/-58	-99/-146	r2	°C/°F
	r2	Maximum temperature setpoint	50/122	r1	200/392	°C/°F
	rn	Neutral zone	4/7.2	0	60/108	°C/°F
	/4	Virtual probe composition: 0 = Air off (Sm) 100 = Air ON (Sr)	0	0	100	%
	rSc	Restore to Carel settings	0	0	1	-
/5	/5	Unit of measure: 0=°C, 1=°F	0	0	1	-
	/6	Decimal point visualization in main mask: 0=Visible, 1=Not visible	0	0	1	-
	/cA	Outlet temperature probe offset calibration	0	-20/-36	20/36	°C/°F
	/cb	Defrost temperature probe offset calibration	0	-20/-36	20/36	°C/°F
	/cc	Intake temperature probe offset calibration	0	-20/-36	20/36	°C/°F
/nE	/nE	Enable user terminal navigation: 0 enabled 1 disabled 2 ON/OFF dis. 3 ON/OFF and Setpoint dis.	0	0	3	-
	/t1	Display on user terminal: 0 Not Config. 3 S3 Value 6 S6 Value 10 Virtual Probe 1 S1 Value 4 S4 Value 7 S7 Value 15 Actual Temp. 2 S2 Value 5 S5 Value 9 Control Probe	9	0	15	-
	/P1	Configuration probe: S1, S2, S4: 0 PT1000 1 PTC 2 NTC 3 NTC-LT 4 NTC-HT	2	0	4	-
	/P2	Configuration probe: S3/DI1: 0, 1, 2, 3, 4 NTC 5 Dig. Input	5	0	5	-
	d0	Type of defrost: 0 Heater by Temp. 2 Heater by Time 4 Heater by Time 1 Hot Gas by Temp. 3 Hot Gas by Time with Temp. Control	0	0	4	-
dEF	dl	Defrost interval	8	0	240	hours
	dP1	Maximum defrost duration	45	1	240	min
	dt1	End defrost temperature read by Sd	4/39.2	-50/-58	50/122	°C/°F
	d4	Enabling of defrost at start up: 0=Disabled, 1=Enabled	0	0	1	-
	d8	High temperature alarm delay after defrost	1	1	240	hours
HcP	dd	Dripping time after defrost (fans off)	2	0	15	min
	rHP	reset HACCP history	0	0	1	-
	Hb	Buzzer: 0=Disabled, 1=Enabled	1	0	1	-
	H0	Serial address	1	1	247	-
	GF1	Configuration up arrow: 0 Off 1 Light 2 Aux 3 Continuous cycle	0	0	3	-
CnF	GF2	Configuration down arrow: 0 Off 1 Light 2 Aux 3 Continuous cycle	0	0	3	-

ALARMS						
Code	Description	Code	Description	Code	Description	Code
A1	Alarm thresholds (AL, AH) relative to the set point St or absolute: 0 = relative; 1 = absolute	AL	Relative High temperature alarm threshold	0	0	555/999
AH	Relative Low temperature alarm threshold	0	0	200/360	Δ °C/°F	
ALA	Absolute High temperature alarm threshold	537/999	-100/-148	537/999	°C/°F	
Ad	Delay time for high and low temperature alarms (AH, AL)	120	0	240	min	
Add	Door alarm delay and high temp. alarm delay after door opening	5	1	240	min	
c0	Compressor, fan and AUX start delay at power on	0	0	15	min	
c1	Minimum time between compressor consecutive starts	0	0	15	min	
c2	Minimum compressor OFF time	3	0	15	min	
c3	Minimum compressor ON time	0	0	15	min	
F0	Evaporator fan management: 0 Always On 1 Sd-Sv 2 Sd 3 Sv	0	0	3	-	
F1	Fan activation temperature	5/41	-50/-58	50/122	°C/°F	
F2	Fan with compressor off: 0 See F0 1 Off 2 Cycles to avoid stratification 3 Dehumidification cycles	1	0	3	-	
F3	Evaporators fan during defrost: 0=On, 1=Off	1	0	1	-	
Fd	Post dripping time after dripping (fans off with control active)	2	0	15	min	
Fpd	Evaporators fans during post-dripping: 0=On, 1=Off	0	0	1	-	

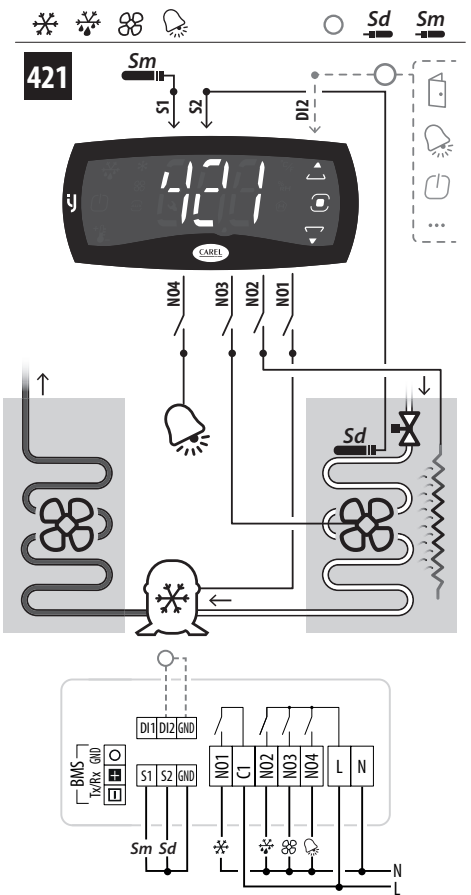
Code	Description	Code	Description
Afr	Frost protection	ELO	Low power supply voltage alarm
AtS	Restart in pump down	Etc	Clock error
CE	Configuration writing error	GHI	Generic alarm high threshold
CHt	High condensing temperature alarm	GLO	Generic alarm low threshold
cht	High condensing temperature warning	HA	Type HA HACCP alarm (high temp. during operation)
dA	Delayed alarm from external contact	HF	Type HF HACCP alarm (high temp. after blackout)
dor	Door open	HI	High temperature
E1	Probe 1 faulty or disconnected	IA	Immediate alarm from external contact
E2	Probe 2 faulty or disconnected	LO	Low temperature
E3	Probe 3 faulty or disconnected	IOC	I/O configuration error
E4	Probe 4 faulty or disconnected	LP	Low pressure
E5	Probe 5 faulty or disconnected	MAN	Output status overridden in manual mode
E6	Probe S1H faulty or disconnected	Pd	Maximum pump down time
E7	Probe S2H faulty or disconnected	rE	Control probe faulty or disconnected
Ed1	Defrost terminated after maximum time	rSF	Refrigerant leak alarm
Ed2	Defrost on second evaporator terminated after max. time	SrC	Maintenance request
EHI	High power supply voltage alarm	SF	Configuration not completed correctly



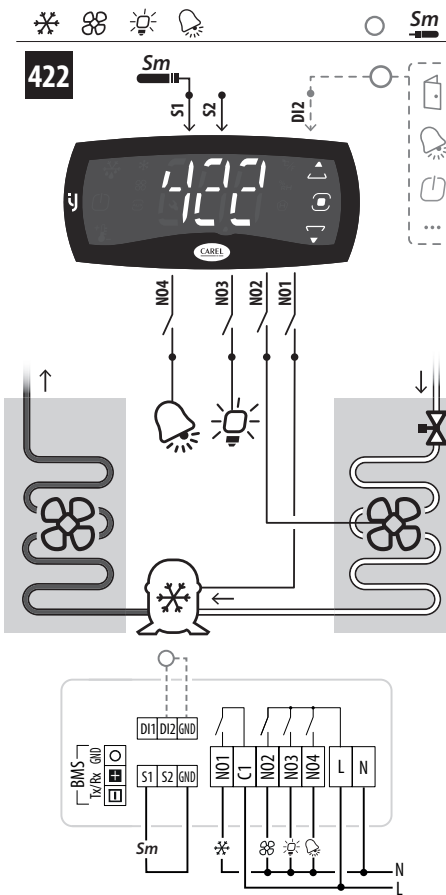
420 - Compressor - Defrost - Fan - Light



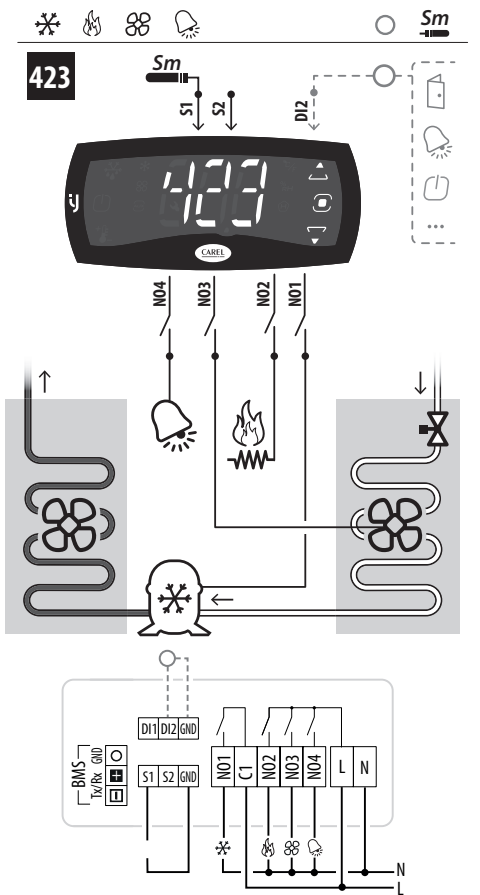
421 - Compressor - Defrost - Fan - Alarm



422 - Compressor - Fan - Light - Alarm



423 - Compressor - Resistor - Fan - Alarm



424 - Compressor - Fan - Humidifier

