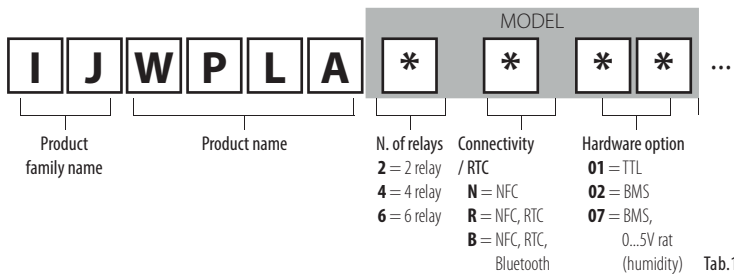




iJW* LARGE 6 RELAY START GUIDE

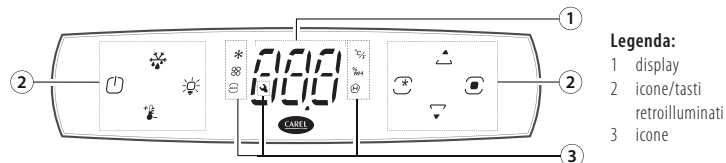


MODELS AND OPTIONS



Note: iJW is designed to be connected in supervision via TTL or BMS port via Modbus protocol. For the use of the Carel protocol there are specific models for which reference is made to the product catalogue.

USER TERMINAL



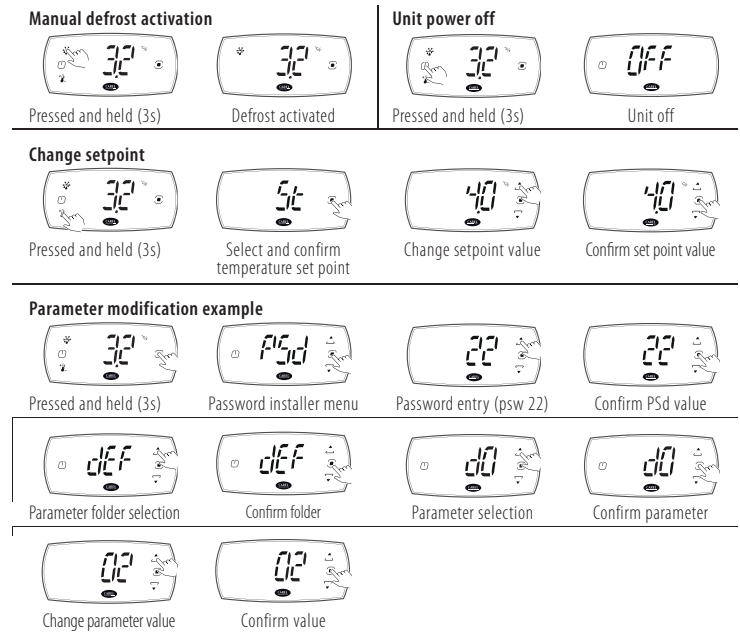
Legenda:
1 display
2 icone/tasti retroilluminati
3 icone

Backlit buttons/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	-
	Light	Active/ can be deactivated from the keypad	Waiting/ can be activated from the keypad
	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 • Decrease value • Scroll menu • Auxiliary function: active/ can be deactivated from the keypad	-
	Down arrow	• Decrease value • Scroll menu • Auxiliary function: active/ can be deactivated from the keypad	Auxiliary function: waiting/ can be activated from the keypad
	Auxiliary function	Active/ can be deactivated from the keypad	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	-

NAVIGATION AND FUNCTIONS ACTIVATION



WIZARD CONFIGURATION MODE

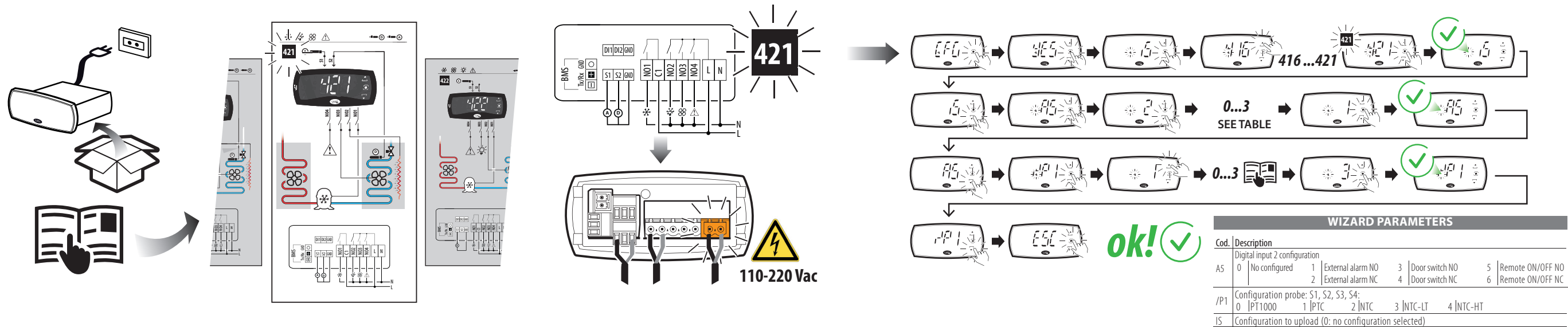
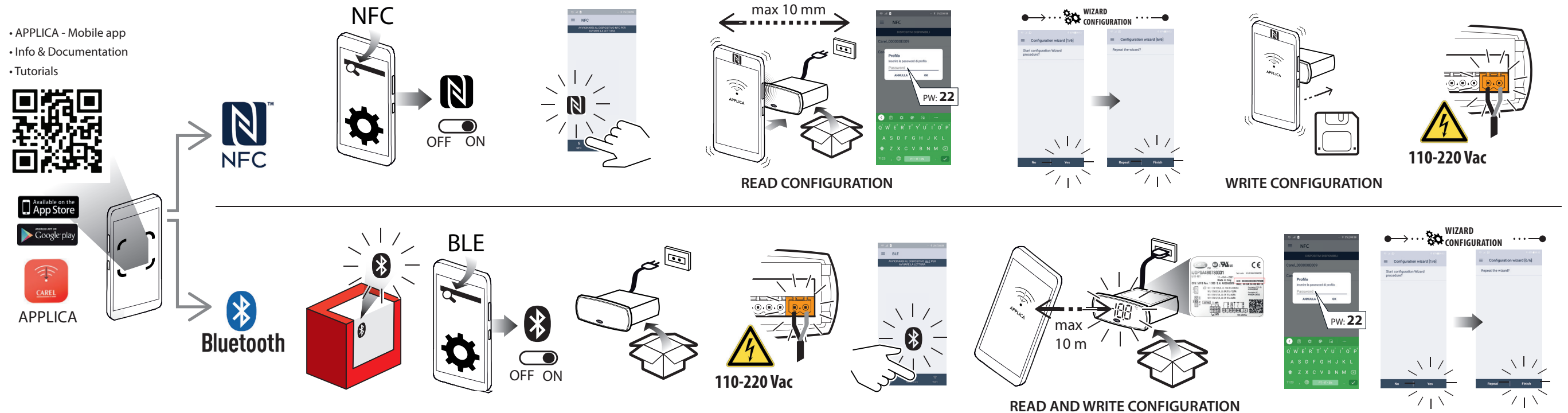


TABLE OF PARAMETERS AVAILABLE FROM KEYBOARD

Val.	Description	Def.	Min	Max	UoM
BtE	Enable Bluetooth™	1	0	1	-
CnC	Activate continuous cycle	0	0	1	-
Eco	Activate Eco mode	0	0	1	-
dir	Firmware version	-	-	-	Read only parameter
nFE	Enable copy parameters from NFC memory to controller	1	0	1	-
Sd	Defrost probe	-	-	-	Read only parameter °C/°F
SHu	Humidity probe	-	-	-	Read only parameter %RH
Sm	Air off probe	-	-	-	Read only parameter °C/°F
Sr	Air on probe	-	-	-	Read only parameter °C/°F
St	Regulation temperature setpoint	50/122	r1	r2	°C/°F
td	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
cti	Configuration to upload (0: no configuration selected)	-	-	-	IS_max
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	-
/S	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	Enable user terminal navigation: 0 enabled 1 disabled 2 ON/OFF dis. 3 ON/OFF and Setpoint dis.	0	0	3	-
Pro	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 Actual Temp. 2 S2 Value 5 S5 Value 9 Control Probe 15 Set Point	9	0	15	-
/P1	Configuration of probes S1, S2, S3, S4: 0 PT1000 1 PTC 2 NTC 3 NTC-LT 4 NTC-HT	2	0	4	-
/P2	Configuration of multifunction input S3/ DI1: 0, 1, 2, 3, 4 = S3 5 = DI1	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	-
dI	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
dd	Dripping time after defrost (fans off)	2	0	15	min
rHP	reset HACCP history	0	0	1	-
HAn	Number of type HA alarms (read-only)	0	0	3	-
HFn	Number of type HF alarms (read-only)	0	0	3	-
Hb	Buzzer: 0=Disabled, 1=Enabled	1	0	1	-
H0	Serial address	1	1	247	-
Cnf	Configuration up arrow: 0 Off 1 Light 2 Aux 3 Continuous cycle	0	0	3	-
GF1	Configuration down arrow: 0 Off 1 Light 2 Aux 3 Continuous cycle	0	0	3	-

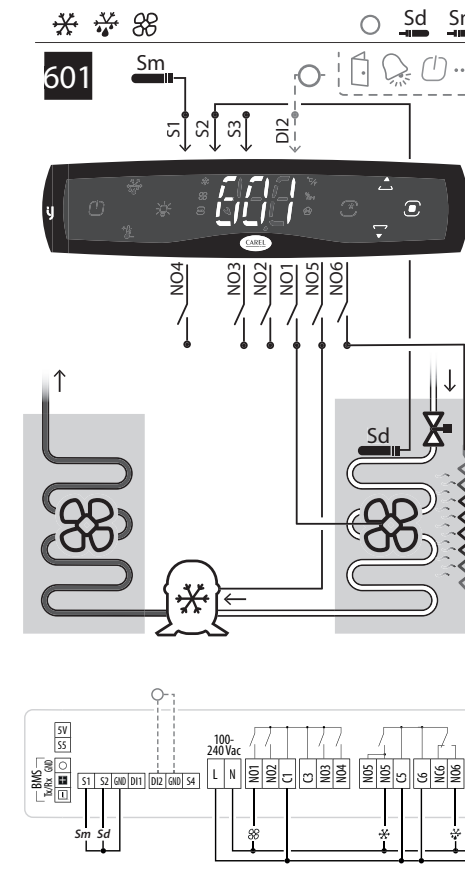
Val.	Description	Def.	Min	Max	UoM
Cnf	GF Custom function associated with the specific button (Large models only): 0 = Not configured; 1 = Light; 2 = Auxiliary output; 3 = Continuous cycle.	3	0	3	-
kbM	Keypad operating mode: 0 = wake up; 1 = locked	0	0	1	-
A1	Alarm thresholds (AL, AH) relative to the set point St or absolute: 0 = relative; 1 = absolute	0	0	1	-
AH	Relative High temperature alarm threshold	0	0	555/999	Δ °C/°F
AL	Relative Low temperature alarm threshold	0	0	200/360	Δ °C/°F
AHA	Absolute High temperature alarm threshold	537/999	-100/-148	537/999	°C/°F
ALA	Absolute Low temperature alarm threshold	-100/-148	-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
rSA	Reset alarms	0	0	1	-
rAL	Reset alarm log	0	0	1	-
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	-

ALARMS

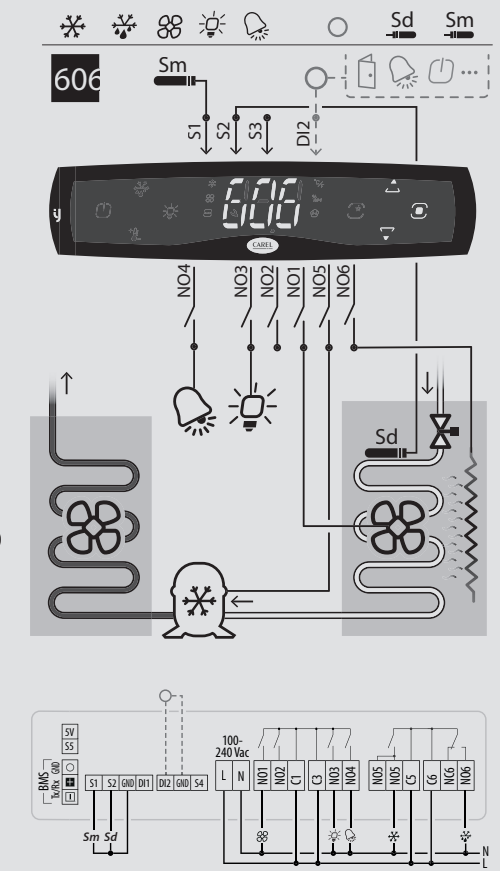
Code	Description	Code	Description
Afr	Frost protection	ELO	Low power supply voltage alarm
ATs	Restart in pump down	Etc	Clock error
CE	Configuration writing error	GHI	Generic alarm high threshold
CHt	High condensing temperature alarm	GLO	Generic alarm low threshold
cht	High condensing temperature warning	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

APPLICATIONS WIRING

601 - Compressor - Defrost - Fan

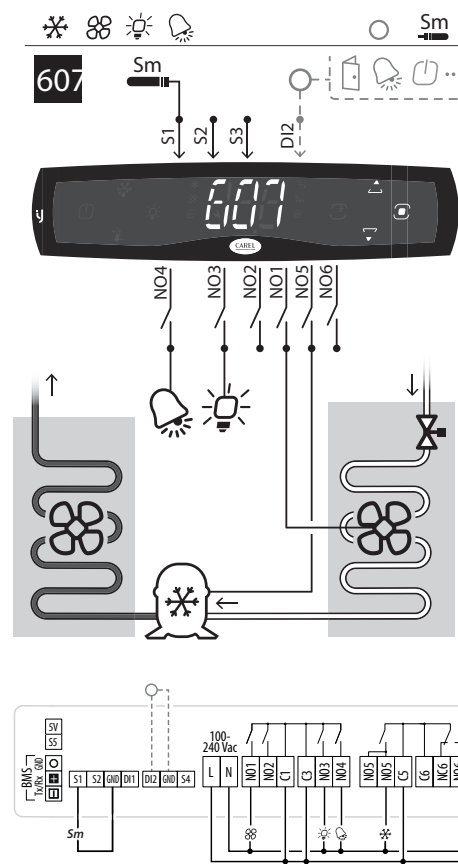


606 - Compressor - Defrost - Fan - Light - Alarm

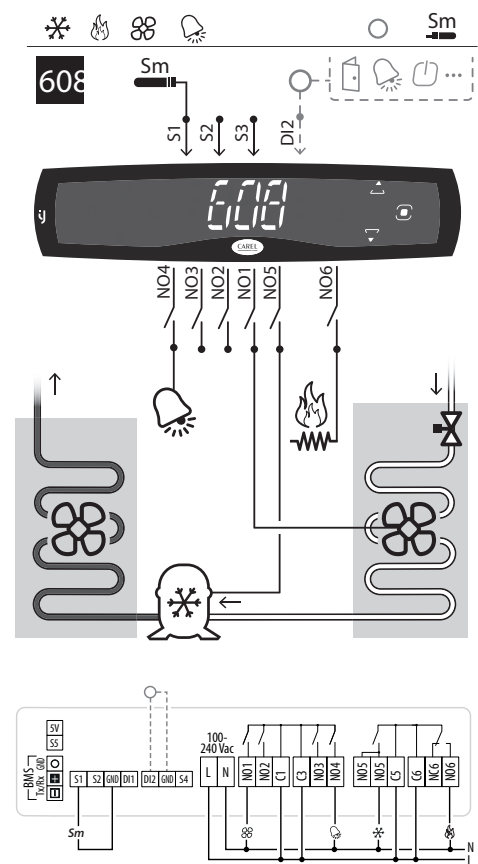


Controller default configuration

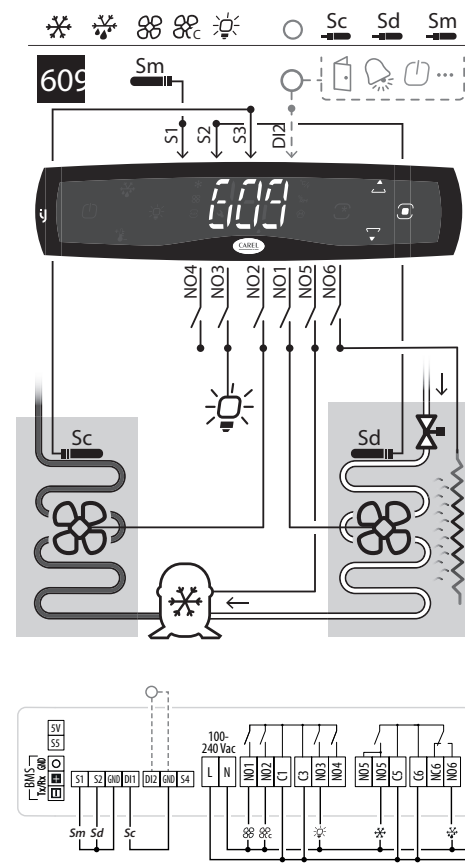
607 - Compressor - Fan - Light - Alarm



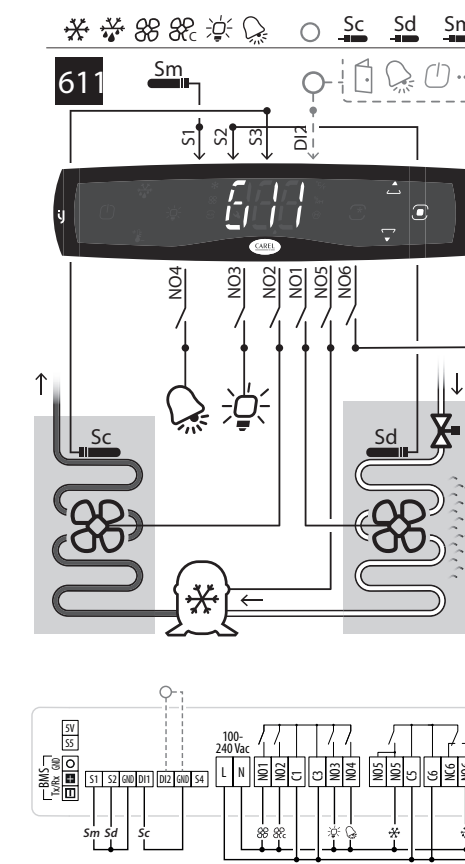
608 - Compressor - Heater - Fan - Alarm



609 - Compressor - Defrost - Fan - Condenser fan - Light



611 - Compressor - Defrost - Fan - Condenser fan - Light - Alarm



614 - Compressor - Fan - Humidifier - Alarm

