



IDPlus 971 devices are controllers with 2 relay outputs, 2 temperature sensors (regulation and evaporator), a multifunctional Digital/Temperature input and a digital input.

IDPlus 971 User Interface



IDPlus 971

The relay output can be used to control:

- compressor

- AUX output

- defrost heating elements
- temperature alarm
- evaporator fans
- Standby

The second probe can be used to control the defrost cycle and the evaporator fans. The Digital inputs (D.I.1 and D.I.2) can be used for:

- **Energy saving**
- Defrost activation
- Standby external alarm Deep Cooling
- AUX management - door switch
- pressure switch - HACCP alarms





Press and release Scroll menu items Increases values Press for at least 5 sec

Activates the Manual Defrost function



DOWN

Press and release Scroll menu items Decrease values Press for at least 5 sec Function can be configured by the user



STANDBY (ESC)

Press and release Returns to the previous menu level Confirms parameter value Press for at least 5 sec Activates the Standby function

(when outside the menus)



SET (ENTER)

Press and release Displays alarms (if active) Opens Machine Status menu Press for at least 5 sec Opens Programming menu Confirm commands

		<u>-</u> -			
	Reduced SET Flashing: Quick flashing: Off:	/ Economy LED economy Setpoint active access to level2 parameters otherwise	(((•)))	Alarm LED Permanently on: Flashing: Off:	alarm active alarm acknowledged otherwise
***	Compressor L Permanently on: of Flashing:	ED compressor active a delay, a protection or a locked start-up otherwise	址	Defrost LED Permanently on: o Flashing: Off:	defrost active manual or D.I. activation otherwise
*	Fans LED Permanently on: Off:	fans active otherwise	AUX	Aux LED Permanently on: Flashing	Aux output active manual or D.I. activation of Deep Cooling
°C	°C LED Permanently on: ° Off:	C setting (dro =0) otherwise	°F	°F LED Permanently on: ° Off:	F setting (dro =1) otherwise

* To activate the LOC function:

- enter the "Basic Commands" menu by pressing the key set



- press keys and within 2 seconds .

If the LOC function is Active and you try to enter the "Programming" menu, the text LOC appears. If this happens, the parameters are still displayed but cannot be edited. To disable the keypad lock, repeat the aforementioned procedure.

* When switched on, the device performs a Lamp Test, the display and LEDs will flash for several seconds to check that they all function correctly.





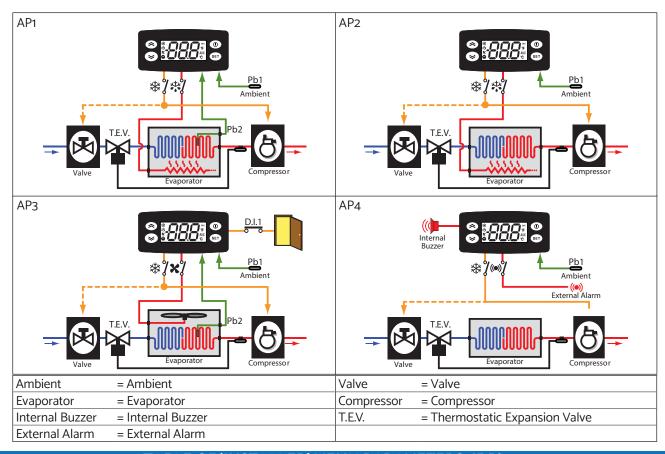


TABLE OF 'INSTALLER' MENU PARAMETERS (IDPlus 971)									
PAR.	DESCRIPTION	RANGE	AP1	AP2	AP3	AP4	M.U.		
Set	Temperature control Setpoint.	LSE HSE	0,0	0,0	0,0	0,0	°C/°F		
	COMPRESSOR ("CP" folder)								
Dif	differential. Compressor relay activation differential.	0,130,0	2,0	2,0	2,0	2,0	°C/°F		
Hse	Higher Set. Maximum value that can be assigned to the Setpoint.	LSE302	99,0	99,0	99,0	99,0	°C/°F		
Lse	Lower Set. Minimum value that can be assigned to the Setpoint.	-58.OHSE	-50,0	-50,0	-50,0	-50,0	°C/°F		
Osp	Temperature value to be added to the Setpoint if reduced set enabled (Economy function).	-30,030,0	3,0	3,0	0,0	3,0	°C/°F		
Нс	Control mode. C (O) = Cold, H (1) = Hot.	C/H	C	C	C	С	flag		
Ont	Controller on time for faulty probe. If Ont = 1 and OFt = Othe compressor remains on, if Ont = 1 and OFt > Oit runs in duty cycle mode.	O 250	0	0	0	0	min		
Oft	Controller off time for faulty probe. If OFt = 1 and Ont = 0, the controller remains off, if OFt = 1 and Ont >0, it operates in duty cycle mode.	O 250	1	1	1	1	min		
Don	Compressor relay activation delay after request	0 250	0	0	0	0	secs		
Dof	Delay after switching off and subsequent activation	0 250	0	0	0	0	min		
Dbi	Delay between two consecutive compressor activations	0 250	0	0	0	0	min		
Odo (!)	Delay in activating outputs after the instrument is switched on or after a power failure.O= not active.	0 250	0	0	0	0	min		
Dcs	Deep Cooling cycle Setpoint.	-58,0302	0,0	0,0	0,0	0,0	°C/°F		
	Deep Cooling cycle duration.	0 255	0	0	0	0	min		
Dcc	Defrost activation delay after a Deep Cooling cycle.	0 255	0	0	0	0	min		
	DEFROST ("dEF" folder)								
Dty	2 = defrost independent of compressor.	0/1/2	0	0	0	0	num		
Dit	Interval between the start of two consecutive defrost cycles.	0 250	6	6	6	6	hours		





1 /11/	DESCRIPTION	RANGE	AP1	AP2	AP3	AP4	M.U.
	Selection of count mode for the defrost interval.						
Dct	l	0/1/2	1	1	1	1	num
	2 = A defrost cycle is run at each compressor stop.						
Doh	Delay for start of first defrost after request.	0 59	0	0	0	0	min
Det	Defrost timeout, determines the maximum defrost duration.	1 250	30	30	30	30	min
	Defrost end temperature - determined by the evaporator probe.	-50,0150	8,0	50,0		50,0	°C/°F
D30	Determines whether the instrument must enter defrost mode at start-u	h	0,0	50,0	0,0	30,0	
Dpo	n = 0 n (0) = no,y (1) = yes.	n/y	n	n	n	n	flag
	FANS ("FAn" folder)						
Γ-t		50.0.202	500	50.0	50.0	500	°C/°F
Fst	Fans stop temperature.	-58,0302		50,0			
	Fan activation differential.	1,0 50,0	2,0	2,0	2,0	2,0	°C/°F
	Fan activation delay after a defrost cycle.	0 250	0	0	0	0	min
Dt	Coil drainage time.	0 250	0	0	0	0	min
Dfd	Allows evaporator fan exclusion to be selected or not selected during defrosting. y (0) = yes (fans excluded), n (1) = no (it depends on FCO parameter).	n/y	у	у	у	у	flag
Fco	Selects or deselects fan deactivation at compressor OFF.	0/1/2		_			num
FCO	O = fans off, 1 = fans active,2= duty cycle.	0/1/2	0	0	0	0	num
Fon	Fans ON time in day duty cycle.	0 99	0	0	0	0	min
	Fans OFF time in day duty cycle.	0 99	0	0	0	0	min
	Fans ON time in night duty cycle.	0 99	0	0	0	0	min
Fnf		0 99	0	0	0	0	min
		n/y	n	n	n	n	flag
LSI	ALARMS ("AL" folder)	1.0 y			- ' '		nag
Att	Can be used to select absolute (Att=0) or relative (Att=1) values for HAL and LAL parameters.	0/1	0	0	0	0	num
٧٤٦		10 500	2.0	2.0	2.0	2.0	°C/°F
Afd		1,0 50,0	2,0	2,0	2,0	2,0	
Hal	Maximum temperature alarm.	LAL302		50,0			°C/°F
Lal	Minimum temperature alarm.	-58.0HAL					°C/°F
	Alarm exclusion time after re-activation following a power failure.	0 10	0	0	0	0	hours
Dao	Temperature alarm exclusion time after defrost.	0 999	0	0	0	0	min
DAD	DESCRIPTION	DANGE	ΛD1	ΛDo	ΛDo	ΛDA	MII
	DESCRIPTION Alarma signalling delay after disabling of digital input	RANGE	AP1	AP2			M.U.
Oao	Alarm signalling delay after disabling of digital input.	0 10	0	0	0	0	hours
Oao 7	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation.	0 10 0 250	0	0	0	0	hours min
Oao 7 Tdo Tao	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication.	0 10 0 250 0 250	0 0	0 0	0 0	0 0	hours min min
Oao / Tdo Tao / Dat /	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes.	O 10 O 250 O 250 n/y	0	0	0	0	hours min min flag
Oao 7 Tdo Tao 7 Dat 7 Rlo	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (O) = no,y (1) = yes. External alarm locks controllers.n (O) = does not lock, y (1) = locks.	0 10 0 250 0 250 n/y n/y	0 0 0 n n	0 0 0 n n	0 0 0 n n	0 0 0 n n	hours min min flag flag
Oao / Tdo Tao T Dat / Rlo Sa3	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint.	O 10 O 250 O 250 n/y n/y -58,0+302	0 0 0 n	0 0 0 n	0 0 0 n	0 0 0 n	hours min min flag flag °C/°F
Oao / Tdo Tao / Dat / Rlo Sa3 Da3	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential.	0 10 0 250 0 250 n/y n/y	0 0 0 n n	0 0 0 n n	0 0 0 n n	0 0 0 n n	hours min min flag flag
Oao / Tdo Tao / Dat / Rlo Sa3 Da3	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential.	O 10 O 250 O 250 n/y n/y -58,0+302	0 0 0 n n	0 0 0 n n	0 0 0 n n	0 0 0 n n	hours min min flag flag °C/°F
Oao / Tdo Tao ' Dat / Rlo Sa3 Da3	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder)	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0	0 0 0 n n 0,0	0 0 0 n n 0,0	0 0 0 n n 0,0	0 0 0 n n 0,0	hours min min flag flag °C/°F
Oao , Tdo Tao ; Dat , Rlo Sa3 Da3	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled,	O 10 O 250 O 250 n/y n/y -58,0+302	0 0 0 n n	0 0 0 n n	0 0 0 n n	0 0 0 n n	hours min min flag flag °C/°F
Oao , Tdo Tao Dat , Rlo Sa3 Da3	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F
Oao , Tdo Tao ; Dat , Rlo Sa3 Da3 Dod , Dod ,	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min
Oao , Tdo , Tao ; Dat , Rlo , Sa3 , Da3 , Dad , dCO ,	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor, 3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F
Oao . Tdo Tao : Dat . Rlo Sa3 Da3 Dad . Dad . dCO	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor, 3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder)	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min
Oao . Tdo Tao : Dat . Rlo Sa3 Da3 Dad . Dad . dCO :	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min
Oao . Tdo . Tao . Dat . Rlo . Sa3 . Da3 . Dad . dCO . Pen .	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input Minimum/maximum pressure switch error count interval.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 att. 0 15 1 99	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min
Oao , Tdo Tao ; Dat , Rlo Sa3 Da3 Dod , dCO ; Pen Pei Pet	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 = disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min
Oao , Tdo Tao ; Dat , Rlo Sa3 Da3 Dad , dCO ; Pen Pei Pet	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 = disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder)	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 st. 0 15 1 99 0 255	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min min
Dad A Deb Pen Pei Pet	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 = disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 att. 0 15 1 99	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min
Dad A dCO Pen Pei Pet Pts Dea	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (O) = no,y (1) = yes. External alarm locks controllers.n (O) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 = disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input. Minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (O) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from O to 14).	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 st. 0 15 1 99 0 255	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min min
Dad A dCO Pen Pei Pet Pts Dea	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 = disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 it. 0 15 1 99 0 255	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min flag
Dad , Rlo Sa3 Da3 Dad dCO Pen Pei Pet Pet Pea Faa	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (O) = no,y (1) = yes. External alarm locks controllers.n (O) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input Minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (O) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from O to 14). Device family (valid values from O to 14).	0 10 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 it. 0 15 1 99 0 255 t/d 0 14	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min flag num num
Dad , Rlo Sa3 Da3 Dad , dCO Pen Pei Pet	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1=disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch inputs minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Device family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd.	0 10 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 it. 0 15 1 99 0 255 t/d 0 14 0 14 n/E/o	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min flag num num num
Dat , Rlo Sa3 Da3 Dad , Alon Pen Pei Pet Dea Faa Pty Stp	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch inputinimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Device family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd. Modbus stop bit. 1b(0) = 1 bit, 2b (1) = 2 bit.	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 it. 0 15 1 99 0 255 t/d 0 14 0 14	0 0 0 0 n n 0,0 1,0	0 0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min flag num num
Dad , Rlo Sa3 Da3 Dad , Alon Pen Pei Pet Pet Pet Stp Stp	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch inputinimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Device family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd. Modbus stop bit.1b(0) = 1 bit, 2b (1) = 2 bit. DISPLAY ("dis" folder)	0 10 0 250 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 it. 0 15 1 99 0 255 t/d 0 14 0 14 n/E/o 1b/2b	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min flag num num num
Dat	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 = disables fans,2=disables the compressor, 3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch inputinimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd. Modbus stop bit. 1b(0) = 1 bit, 2b (1) = 2 bit. DISPLAY ("dis" folder) Basic commands modification lock. It is still possible to enter parameter	0 10 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 it. 0 15 1 99 0 255 t/d 0 14 n/E/o 1b/2b	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 n n 0,0 1,0	0 0 0 0 n n 0,0 1,0	hours min min flag flag °C/°F °C/°F num min min flag num num num
Dat , Rlo Sa3 Da3 Dad dCO Pen Pei Pet Pts Dea Faa Pty Stp	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 = disables fans,2=disables the compressor, 3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input Minimum/maximum pressure switch error count interval. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd. Modbus stop bit.1b(0) = 1 bit, 2b (1) = 2 bit. DISPLAY ("dis" folder) Basic commands modification lock. It is still possible to enter parameter programming mode and modify them. n (0) = no,y (1) = yes.	0 10 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 t.t. 0 15 1 99 0 255 t/d 0 14 n/E/o 1b/2b	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 n n 0,0 1,0 2 0 1 0 1 0 0 n 1	0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	hours min min flag flag °C/°F °C/°F num min min flag num num flag flag
Dad , Rlo Sa3 Da3 Dad , Alondon Dad , Alondo	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Device family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd. Modbus stop bit.1b(0) = 1 bit, 2b (1) = 2 bit. DISPLAY ("diS" folder) Basic commands modification lock. It is still possible to enter parameter programming mode and modify them. n (0) = no,y (1) = yes. Password1: if PS1≠0 is the access key to User parameters.	0 10 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 t.t. 0 15 1 99 0 255 t/d 0 14 n/E/o 1b/2b n/y 0 250	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 n n 0,0 1,0 2 0 1 0 1 0 0 n 1b	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	hours min min flag flag °C/°F °C/°F num min min flag num num flag flag flag
Dad . Rlo . Sa3 . Dad . Dad . dCO . Pen . Pet . Pts . Dea . Faa . Pty . Stp . Loc . Ps1 . Ps2 .	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor, 3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Device family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd. Modbus stop bit.1b(0) = 1 bit, 2b (1) = 2 bit. DISPLAY ("diS" folder) Basic commands modification lock. It is still possible to enter parameter programming mode and modify them. n (0) = no,y (1) = yes. Password: if PS1≠0 is the access key to User parameters. Password: if PS2≠0 is the access key to Installer parameters.	0 10 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 it. 0 15 1 99 0 255 t/d 0 14 n/E/o 1b/2b n/y 0 250 0 250	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 n n 0,0 1,0 2 0 1 0 1 0 0 n 1	0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	hours min min flag flag °C/°F °C/°F num min min min flag num num flag flag num num flag
Dad . Rlo . Sa3 . Dad . Dad . dCO . Pen . Pet . Pts . Dea . Faa . Pty . Stp . Loc . Ps1 . Ps2 . Ndt	Alarm signalling delay after disabling of digital input. Delay in door open alarm activation. Time delay for temperature alarm indication. Alarm signalling end of defrost due to timeout. n (0) = no,y (1) = yes. External alarm locks controllers.n (0) = does not lock, y (1) = locks. Probe 3 alarm Setpoint. Probe 3 alarm differential. LIGHTS & DIGITAL INPUTS ("Lit" folder) Digital input for switching off utilities. O=disabled, 1 =disables fans,2=disables the compressor,3=disables fans and compressor. Activation delay for digital input. Compressor deactivation delay after door opened. PRESSURE SWITCH ("PrE" folder) Number of errors allowed per maximum/minimum pressure switch input. Delay in activating compressor after pressure switch deactivation. COMMUNICATION ("Add" folder) Communication protocol selection. t (0) = Televis, d (1) = Modbus. Index of the device inside the family (valid values from 0 to 14). Device family (valid values from 0 to 14). Modbus parity bit. n (0) = none, E (1) = even, o (2) = odd. Modbus stop bit.1b(0) = 1 bit, 2b (1) = 2 bit. DISPLAY ("diS" folder) Basic commands modification lock. It is still possible to enter parameter programming mode and modify them. n (0) = no,y (1) = yes. Password1: if PS1≠0 is the access key to User parameters.	0 10 0 250 n/y n/y -58,0+302 1,0 50,0 0/1/2/3 0 255 0 255 t.t. 0 15 1 99 0 255 t/d 0 14 n/E/o 1b/2b n/y 0 250	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	0 0 0 n n 0,0 1,0 2 0 1 0 1 0 0 n 1b	0 0 0 0 n n 0,0 1,0 0 1 0 1 0 0 1 0 n	hours min min flag flag °C/°F °C/°F num min min flag num num flag flag flag





PAR.	DESCRIPTION	RANGE	AP1	AP2	AP3	AP4	M.U.		
Ca2	Calibration 2. Temperature value to be added to the Pb2 value.	-12,0+12,0	0,0	0,0	0,0	0,0	°C/°F		
Ca3	Calibration 3. Temperature value to be added to the Pb3 value.	-12,0+12,0	0,0	0,0	0,0	0,0	°C/°F		
	Display mode during defrost. o= display the temperature recorded by Pb1, 1 = lock recorded value of Pb1 at defrost start,2= display the "dEF" label	0/1/2	0	0	0	0	num		
Ldd	Timeout value for display unlock - dEF label.	O 255	30	30	30	30	min		
Dro	Select the unit of measurement used when displaying the temperature recorded by the probes. (o = °C, 1 = °F). NOTEswitching between °C and °F or vice-versa DOES NOT modify the SEt, diF values, etc. (e.g. Setpoint=10°C becomes 10°F).	0/1	0	0	0	0	flag		
Ddd	Selects the type of value to display. o = Setpoint1 = probe Pb12 = probe Pb23 = probe Pb3.	0/1/2/3	1	1	1	1	num		
	HACCP ("HCP" folder)								
Shh	Maximum HACCP alarm signals threshold.	-55,0150	0	0	0	0	°C/°F		
Slh	Minimum HACCP alarm signals threshold.	-55,0150	0	0	0	0	°C/°F		
Dra	Minimum time spent in critical range for the event to be recorded. After this a HACCP alarm will be triggered and logged.	0 99	0	0	0	0	min		
Drh	HACCP alarm reset time after last reset.	0 250	0	0	0	0	hours		
H50	Enable HACCP and alarm relay functions. 0= HACCP alarms NOT enabled, 1 = HACCP alarms enabled and alarm relay NOT enabled, 2 = HACCP alarms enabled and alarm relay enabled.	0/1/2	0	0	0	0	num		
H51	HACCP alarm exclusion time.	0 250	0	0	0	0	min		
	CONFIGURATION ("CnF" folder) If one or more parameters present in this forder are changed, the controller MUST be powered-off and than powered-on.								
Hoo (!)	Probe type selection. $0 = PTC,1 = NTC,2 = PT1000$.	0/1/2	1	1	1	1	num		
H11	Configuration of digital input 1/polarity. 0= disabled, ±1 = defrost, ±2 = economy Setpoint, ±3 = AUX, ±4 = door switch, ±5 = external alarm, ±6 = Standby, ±7 = pressure switch, ±8 = Deep Cooling, ±9 = disable HACCP alarm logging. NOTE• the "+" sign indicates that the input is active if the contact is close • the "-" sign indicates that the input is active if the contact is open.		0	0	4	0	num		

PAR.	DESCRIPTION	RANGE	AP1	AP2	AP3	AP4	M.U.
H12	Configuration of digital input 2/polarity. Same as H11.	-9 +9	0	0	0	0	num
H21	Configurability of digital output 1 (\\). O = disabled,1 = compressor, 2 = defrost,3 = fans, 4 = alarm, 5 = AUX, 6 = Standby.	0 6	1	1	1	1	num
H22	Configurability of digital output 2 (ﷺ). Same as H21.	0 6	2	2	3	4	num
H25	Enable/Disable buzzer. O=Disabled, 4=Enabled,1-2-3-5-6-7-8=not used.	0 8	0	0	0	4	num
H31	Configurability of UP key. O = disabled, 1 = defrost, 2 = AUX, 3 = economy Setpoint, 4 = Standby, 5 = reset HACCP alarms, 6 = disable HACCP alarms, 7 = Deep Cooling.	0 7	1	1	1	1	num
H32	Configurability of DOWN key. Same as H31.	0 7	0	0	0	0	num
H42	Evaporator probe present. n (0) = not present, y (1) = present.	n/y	У	n	у	n	flag
H43	Probe 3 present. n (0) = not present, y (1) = present.	n/y	n	n	n	n	flag
Rel	Device version. Read-only parameter.	/	/	/	/	/	/
Tab	tAble of parameters. Reserved: read-only parameter.	/	/	/	/	/	/
	COPY CARD ("FPr" folder)						
UI	Programming parameter transfer from instrument to Copy Card.	/	/	/	/	/	/
Fr	Format Copy Card. Erase all data contained in the Copy Card. NOTEIf parameter "Fr" is used, the data entered will be permanently	/	/	/	/	/	/
	lost. This operation cannot be cancelled.						
	FUNCTIONS ("FnC" folder)			,	,		
	Reset pressure switch alarms.	/	/	/	/	/	/
Res	Reset HACCP alarms.	/	/	/	/	/	/

NOTE: If one or more parameters marked with (!) are modified, the controller MUST be switched off and then switched on again to ensure correct operation.