


X34

- CONTROLLERS FOR REFRIGERATING UNITS
- HACCP FUNCTIONS
- ENERGY SAVING FUNCTIONS 
- 4 INPUTS AND 4 OUTPUTS



FEATURES

DISPLAY		X34
Single		3 red or blue digit, h 15.5 mm
INPUTS		
Up to four		PTC KTY 81-121 (990Ω at 25°C) -50... +109°C (-58... +228 °F) or NTC 103AT-2 (10kΩ at 25°C) -50...150°C (-58... +302 °F) or Pt1000 (1000Ω at 0 °C) -99.9... +300°C (-99.9 ... 572°F)
Digital inputs		2 digital inputs for free voltage contacts + 2 digital inputs as alternative to inputs Pr3 and Pr4
Accuracy		± 0.5 % fs + 1 digit
OUTPUTS		
Up to four (OUT1 and OUT2 are always on board)		OUT1: Relay SPST-NO-16A - 1HP 250V - EN 61810: 16 (9) A - EN 60730: 10 (4) A - UL 60730: 12A Res., 30 LRA, 5 FLA OUT2: Relay SPDT 8A - 1/2HP 250 V - EN 61810: 8 (3) A - EN 60730: 4 (4) A - UL 60730: 10A Res. OUT3 e OUT4: Relay SPST-NO 5A - 1/10HP 125/250 V - EN 61810: 5 (1) A - EN 60730: 2 (1) A - UL 60730: 2 A Gen.Use 12 A max. for plug-in version
Relay operations		100000 operations according to EN 60730
FUNCTIONAL		
Control		ON/OFF
Acoustic alarm		Internal buzzer (optional)
Defrosting control		At intervals time, at reaching temperature, at programmed times by stopping compressor, by electrical heating or hot gas/reverse cycle
HACCP functions		With alarm recording
Real time clock		Internal clock to manage defrosting at programmed times
Events		Events programming by means of the internal clock
Serial communication		Isolated RS485 with Modbus RTU protocol
Baud rate		9600 baud
GENERAL		
Power supply		12 Vac/Vdc, 12... 24 Vac/Vdc, 100...240 Vac ±10% (50/60 Hz)
Power consumption		4 VA approx.
Dimensions / Weight		78 x 35 mm - depth 64 mm or 75.5 mm with plug-in terminals / 180 g approx.
Keyboard		Mechanical or "Sensitive Touch"
Connections		Screw terminal block 2.5 mm ² or plu-in connector with screw terminals 2.5 mm ²
Mounting		Flush in panel in 71 x 29 mm hole
Front protection degree		IP65, mounted in panel with gasket
Operating / storage temperature		0... +50°C (32... +122°F) / -25... +60°C (-13... +140°F)
Operating humidity		30... 95 RH% without condensation
Conformity		Directive 2004/108/CE (EN55022: class B; EN61000-4-2: 8KV air, 4KV cont.; EN61000-4-3: 10V/m; EN61000-4-4: 2KV supply, inputs, outputs; EN61000-4-5: supply 2KV com. mode, 1 KV diff. mode; EN61000-4-6: 3V), 2006/95/CE (EN 60730-1, EN 60730-2-7, EN 60730-2-9) Regulation 37/2005/CE (EN13485 arial/air, S, A, 1, - 50°C +90°C wheter used with NTC 103AT11 probe or Pt1000 class B or better

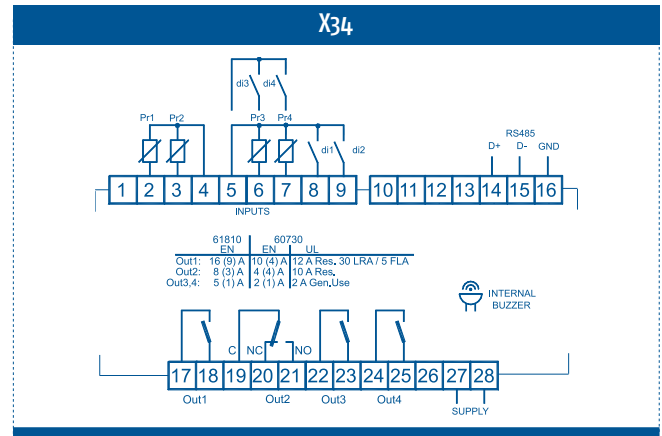
HOW TO ORDER

To compose the part number, pls. choose one of the option for each variable

X34	CODE
KEYBOARD	
Mechanical	-
Sensitive-Touch (*)	S
POWER SUPPLY	
12 Vac/Vdc	F
12... 24 Vac/Vdc	G
100... 240 Vac/Vdc	H
OUT 3	
Relay SPST-5A-AC1	R
Not available	-
OUT 4	
Relay SPST-5A-AC1	R
Not available	-
BUZZER (INTERNAL)	
Available	B
Not available	-
CONNECTIONS	
Plug-in screw type	E
Plug-in screw type, fix part only	N
Fix screw type (standard)	-
DISPLAY	
Blue	B
Red (standard)	-
REAL TIME CLOCK	
Available	C
Not available	-
SERIAL COMMUNICATION	
RS485	S
TTL Modbus	-

(*) Capacitive Touch screen keyboard

CONNECTIONS



DIMENSIONS

