

Y39

- CONTROLLERS FOR REFRIGERATING UNITS
- SENSITIVE-TOUCH KEYBOARD
- ENERGY SAVING FUNCTIONS
- UP TO 3 INPUTS AND 3 OUTPUTS



FEATURES

DISPLAY	Y39	Y39C	Y39E
Single	3 red or blue digit, h 15.5 mm		
INPUTS			
Two (Y39E) or Three (Y39, Y39C)	3x PTC KTY 81-121 (990Ω at 25°C) -50... +150°C (-58... +302°F) or 3x NTC 103AT-2 (10kΩ at 25°C) -50... +109°C (-58... +228°F)	3x PTC KTY 81-121 (990Ω at 25°C) -50... +150°C (-58... +302°F) or 3x NTC 103AT-2 (10kΩ at 25°C) -50... +109°C (-58... +228°F) or 3x Pt1000 (1000Ω at 0°C) -99.9... +500°C (-148... +932°F)	2x PTC KTY 81-121 (990Ω at 25°C) -50... +150°C (-58... +302°F) or 2x NTC 103AT-2 (10kΩ at 25°C) -50... +109°C (-58... +228°F)
Digital input	1 digital input for free voltage contacts (as alternative to input 3 for Y39 ed Y39C)		
Accuracy	± 0.5 % fs + 1 digit		
OUTPUTS			
Up to three	OUT1: Relay SPST-NO (16A - 1HP 250V, 1/2HP 125 Vac); EN 61810: 16 (9) A - EN 60730: 10 (4) A - UL 60730: 12 A Res., 30 LRA, 5 FLA OUT2: Relay SPDT (8A, 1/2HP 250Vac, 1/3HP 125Vac): EN 61810: 8 (3) A - EN 60730: 4 (4) A - UL 60730: 4 A Res. OUT3: Relay SPST-NO (5A - 1/8HP 250V, 1/10HP 125 Vac); EN 61810: 5 (2) A - EN 60730: 2 (2) A - UL 60730: 2 A Res. 16A max.(for plug-in version) for common relay (term. 1)		
Relay operations	100000 operations		
FUNCTIONAL			
Control	ON/OFF		
Acoustic alarm	Internal Buzzer (optional)		
Defrosting control	At intervals time, at reaching temperature by stopping compressor, by electrical heating or hot gas/reverse cycle		
Energy Saving functions	--		Available
Real time clock	--	Internal clock to manage defrosting at programmed times	--
Serial communication	TTL Modbus, or RS485 by means of the external module A30 (see "Accessories" section)		
Remote display	By means of module TVRY (see "Indicators" section)		
GENERAL			
Power supply	12 Vac/dc, 12...24 Vac/dc, 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 / 120 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 (EN5022: 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 air, S, A, 2,- 50°C +90°C wheter used with NTC 103AT11 probe)		

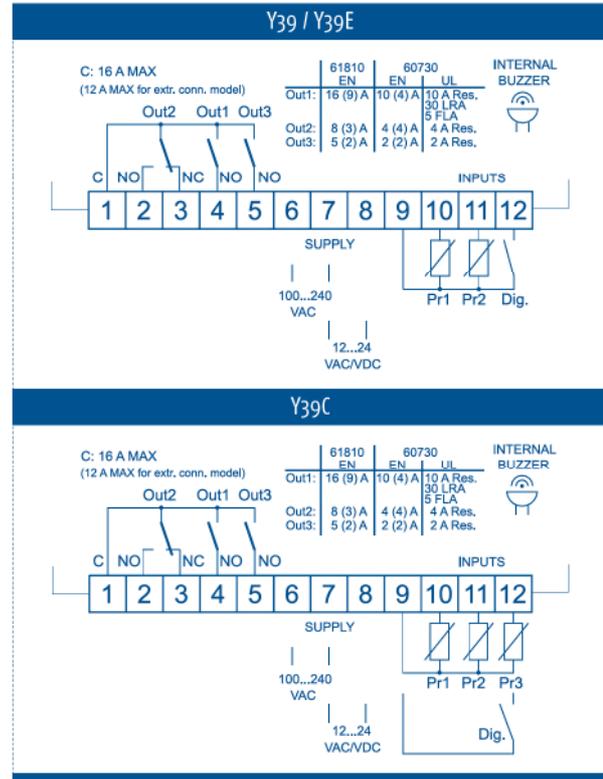
HOW TO ORDER

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

Y39 / Y39C / Y39E	CODE
KEYBOARD	
Mechanical	-
Sensitive-Touch (*)	S
POWER SUPPLY	
12 Vac/Vdc	F
12... 24 Vac/Vdc	G
100... 240 Vac	H
OUT 1	
Relay SPDT 16A-AC1	S
Relay SPST NO-16A-AC1	R
OUT 2	
Relay SPDT 5A-AC1	R
Not available	-
OUT 3	
Relay SPDT 5A-AC1	R
Non prevista	-
BUZZER (INTERNAL)	
Available	B
Not available	-
CONNECTION	
Plug-in screw type	E
Plug-in screw type, fix part only	N
Fix screw type (standard)	-
DISPLAY	
Blue	B
Red (standard)	-

(*) Capacitive Touch screen keyboard

CONNECTIONS



DIMENSIONS

