

Y39H

- HUMIDITY AND TEMPERATURE CONTROLLER
- INTEGRATED TWIN-TIMER
- UP TO 3 RELAY OUTPUTS
- ON/OFF AND PID CONTROL



FEATURES

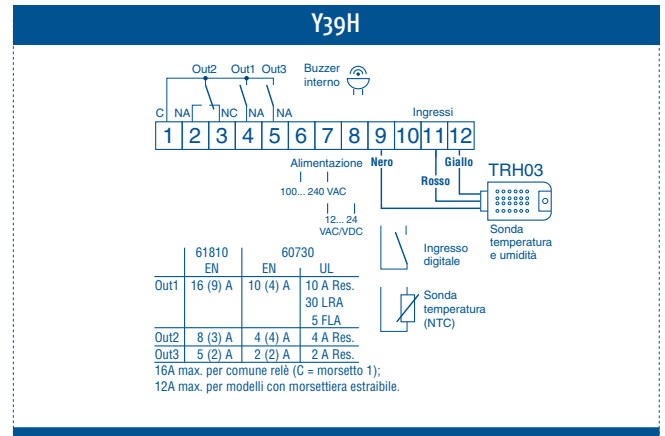
DISPLAY	
Single	Y39H 3 red or blue digit, h 15.5 mm
INPUTS	
Two	1 input for digital temperature and humidity probe TRH03 -40 ... 80 °C (-40 ... 176 °F) / 0 ... 100% RH 1 input for NTC 103AT-2 probe (10kΩ at 25 °C) -50 ... +109 °C (-58 ... +228 °F)
Digital input	1 digital input for free voltage contacts as alternative to input 3
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 or SSR Relay SPST-NO 0.1A... 2A 250 VAC 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 - 1/10HP 125/250 Vac); EN 61810: 5 (2) A - EN 60730: 2 (2) A - UL 60730: 2 A Res. 16A max.(12A for plug-in version) for common relay (term. 1)
Relay operations	100000 operations
FUNCTIONAL	
Temperature control	ON/OFF and PID
Humidity control	ON/OFF
Acoustic alarm	Internal Buzzer (optional)
Twin-Timer	Pause/work functioning (on board)
GENERAL	
Power supply	12 Vac/Vdc, 12... 24 Vac/Vdc, 100... 240 Vac ±10% (50/60 Hz)
Power consumption	12 Vac/Vdc: 3.5 VA approx. 12... 24 Vac/Vdc, 100... 240 Vac: 4VA approx.
Dimensions / Weight	78 x 35 mm - depth 64 mm or 75.5 mm with plug-in terminals / 190 g approx.
Connections	Screw terminal block 2.5 mm ² or plug-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	< 95 RH% without condensation
Conformity	Directive LV 2014/35/EU (EN 60730-1, EN 60730-2-9); Directive EMC 2014/30/EU (EN55011: class B; EN61000-4-2: 8 kV air, 4kV cont.; EN61000-4-3: 10V/m; EN61000-4-4: 2kV supply and relay outputs, 1kV inputs; EN61000-4-5: supply 2kV com. mode, 1 kV diff. mode; EN61000-4-6: 3V).

HOW TO ORDER

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

Y39H	CODE
POWER SUPPLY	
12 Vac/Vdc	F
12... 24 Vac/Vdc	G
100... 240 Vac	H
OUT 1	
Relay SPST-NO 30A	R
Vdc for SSR drive	Q
OUT 2	
Relay SPDT 8A-AC1	R
Not available	-
OUT 3	
Relay SPST 5A-AC1	R
Non prevista	-
BUZZER (INTERNAL)	
Available	B
Not available	-
CONNECTION	
Plug-in screw type	E
Fix screw type (standard)	-
DISPLAY	
Blue	U
Red (standard)	R

CONNECTIONS



DIMENSIONS

