

TLY35

- CONTROLLER FOR REFRIGERATING UNITS
- UP TO 2 INPUTS AND 4 OUTPUTS
- RS485



FEATURES

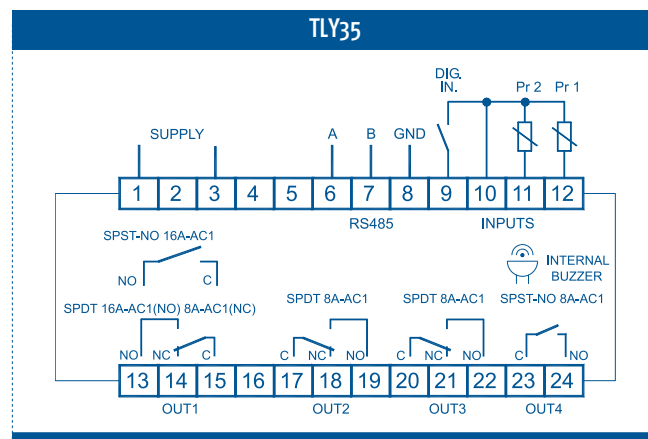
DISPLAY	TLY35
Single	4 red or blue digit, h 12 mm
INPUTS	
Up to two	2x PTC KTY 81-121 (990Ω at 25°C) -50... +150°C (-58... +302°F) or 2x NTC 103AT-2 (10kΩ at 25°C) -50... +109°C (-58... +228°F)
Digital input	1 digital input for free voltage contacts
Accuracy	± 0.5 % fs + 1 digit
OUTPUTS	
Up to four	OUT1: Relay SPST-NO (16A-AC1, 6AAC3 250 Vac, 1HP 250Vac, 1/2HP 125 Vac) or SPDT (16A-AC1-NO, 8A-AC1-NC, 6A-AC3 250 Vac, 1HP 250Vac, 1/2HP 125 Vac) OUT2 e OUT3: Relay SPDT (8A-AC1, 3A-AC3 250 Vac, 1/2HP 250Vac, 1/3HP 125 Vac) OUT4: Relay SPST-NO (8A-AC1, 3A-AC3 250 Vac, 1/2HP 250Vac, 1/3HP 125 Vac)
Relay operations	100000 operations for relay SPST-NO 16A and SPDT 8A - 50000 operations for relay SPDT 16A
FUNCTIONAL	
Control	ON/OFF
Defrosting control	At intervals time by stopping compressor, by electrical heating or hot gas/reverse cycle
Real Time Clock	Internal clock to manage defrosting at programmed times
Serial communication	Isolated RS485 with Modbus RTU protocol
Baud rate	9600 baud
Remote display	By means of module TVRY (see "Indicators" section)
GENERAL	
Power supply	12 Vac/Vdc, 24 Vac/Vdc, 100...240 Vac ±10% (50/60 Hz)
Power consumption	5 VA approx.
Dimensions / Weight	4 DIN rail module, 70 x 84 mm, depth 60 mm/ 180 g
Connections	Screw terminal block 2.5 mm²
Mounting	On OMEGA DIN A rail
Front protection degree	IP40, for internal use
Operating / storage temperature	0... +50°C (32... +122°F) / -25... +60°C (-13... +140°F)
Operating humidity	30... 95 RH% without condensation
Conformity	Directive CEE EMC 2004/108/CE (EN 61326), Directive CEE BT 2006/95/CE (EN 61010-1)

HOW TO ORDER

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

TLY35	CODE
POWER SUPPLY	
12 Vac/Vdc	F
24 Vac/Vdc	L
100... 240 Vac	H
OUT 1	
Relay SPDT 16A AC1	S
Relay SPST-NO 16A AC1	R
OUT 4 / BUZZER (INTERNAL)	
Relay SPDT 8A AC1	R
Buzzer	B
Not available	-
REAL TIME CLOCK	
Available	C
Not available	-
SERIAL COMMUNICATION	
RS485	S
TTL Modubus	-

CONNECTIONS



DIMENSIONS

