

DIFFERENTIAL CONTROLLERS

- UP TO 3 INPUTS AND 3 OUTPUTS
- TTL SERIAL COMMUNICATION



FEATURES

DISPLAY	TLS35	W09D
Single	4 red digit, h 12 mm	3 red or blue digit, h 15.5 mm
INPUTS		
Two (TLS35) Three (W09D)	2x Thermistors PTC KTY 81-121 (990Ω at 25 °C): -50... +150°C / -58... +302 °F oppure 2x Thermistors NTC 103AT-2 (10KΩ at 25 °C): -50... +109°C / -58... +228 °F	3x Thermistors PTC KTY 81-121 (990Ω at 25 °C): -50... +150°C / -58... +302 °F ore 3x Thermistors NTC 103AT-2 (10KΩ at 25 °C): -50... +109°C / -58... +228 °F
Digital inputs	1 digital input for free voltage contacts	1 digital input for free voltage contacts as alternative to inputs P3
Accuracy	± 0.5 % fs + 1 digit	
OUTPUTS		
Up to 3	OUT1: Relay SPST-NO (16A-AC1, 6A- AC3 250 Vac, 1HP 250Vac, 1/2HP 125 Vac) o SPDT (16A-AC1- NO, 8A-AC1-NC, 6A-AC3 250 Vac,1HP 250Vac, 1/2HP 125 Vac) OUT2 and OUT3: Relay SPDT (8A-AC1, 3A-AC3 250 Vac, 1/2HP 250Vac, 1/3HP 125 Vac)	OUT1: Relay SPST-NO (14A-AC1, 6AAC3 250 Vac, 1 HP 250 Vac, 1/2 HP 125 Vac) OUT2: Relay SPDT (8A-AC1, 3A-AC3 250 Vac, 1/2 HP 250 Vac, 1/3 HP 125 Vac) OUT3: Relay SPST-NO (4A-AC1, 2A-AC3 250 Vac, 1/8 HP 250-125 Vac). 16 A max. for common (term. 12)
FUNCTIONAL		
Control	ON/OFF	
Real Time Clock	--	Internal clock to manage defrosting at programmed times
Serial communication	TTL ModBus	
GENERAL		
Power supply	12 Vac/Vdc, 24 Vac/Vdc, 100... 240 Vac/Vdc ± 10% (50/60 Hz)	100... 240 Vac ±10% (50/60 Hz)
Power consumption	5 VA approx.	4 VA approx.
Dimensions	4 DIN rail module 70 x 84 mm, depth 60 mm	75 x 122 mm, depth 34 mm
Weight	180 g	135 g
Keyboard	Mechanical	
Connections	On OMEGA DIN A rail	
Mounting	Screw terminal block 2.5 mm ²	
Front protection degree	IP 40 (IP20 on terminal block)	
Operating / storage temperature	0... 50°C (32... 122°F) / -30... 70°C (-22... 158°F)	
Operating humidity	20... 85 RH% without condensation	
Conformity	Directive EMC 2004/108/CE (EN 61326-1), Directive BT 2006/95/CE (EN 61010-1)	

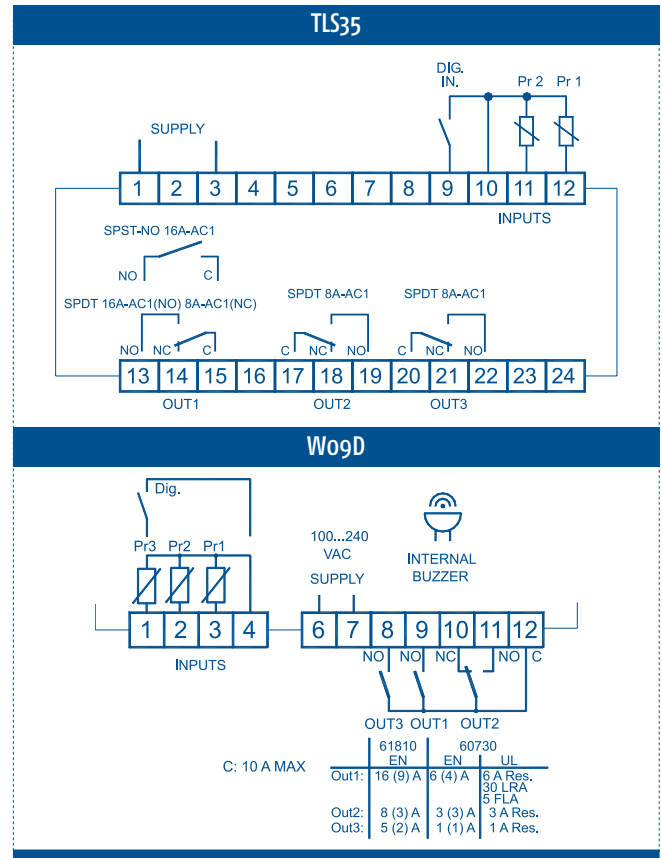
HOW TO ORDER

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

TLS35	CODE
POWER SUPPLY	
24 Vac/Vdc	L
90...240 Vac	H
12 Vac/Vdc	F
OUT 1	
Relay SPDT 16A AC1	S
Relay SPST-NO-16A AC1	R
OUT AL1	
Relay SPST-NO-8A AC1	R
Not available	-
OUT AL2	
Relay SPST-NO-8A AC1	R
Not available	-

W09D	CODE
POWER SUPPLY	
100...240Vac	H
OUT 1	
Relay SPDT-8A-AC1	R
OUT 2	
Relay SPDT-8A-AC1	R
Not available	-
OUT 3	
Relay SPST-NO 5A-AC1	R
Not available	-
BUZZER (INTERNAL)	
Available	B
Not available	-
CONNECTIONS	
Fix screw type	-
DISPLAY	
Blue	B
Red (standard)	-
REAL TIME CLOCK	
Available	C
Not available	-

CONNECTIONS



DIMENSIONS

