

# W09 WALL MOUNTED DIGITAL THERMOSTAT



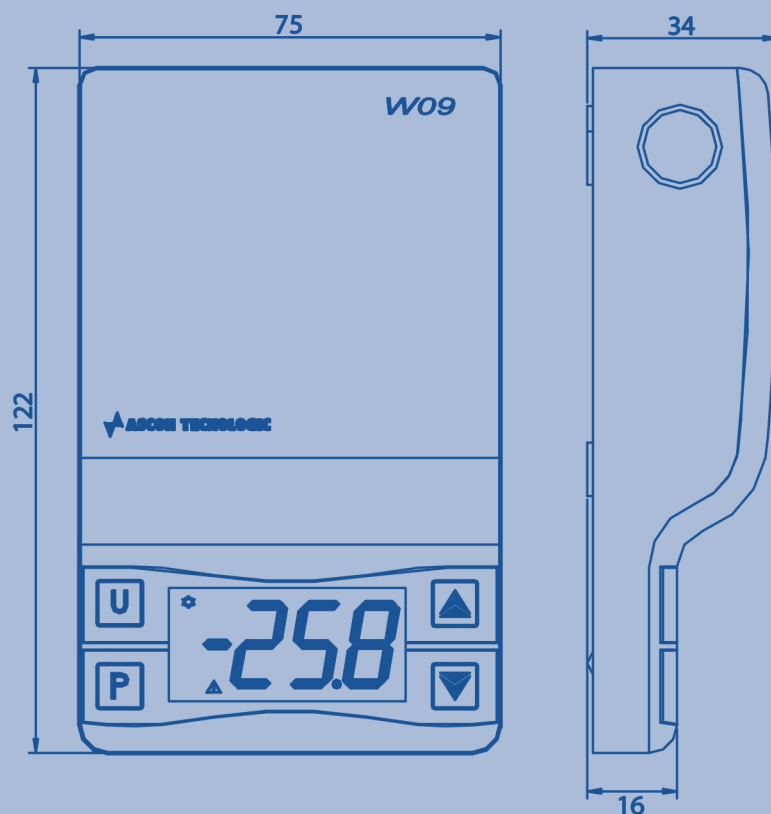
## FEATURES

- 100-240 V SUPPLY
- NTC OR PTC INPUT
- UP TO 3 RELAY OUTPUTS ( MAX OF 14 AMP W09Y)
- 1 X DIGITAL INPUT
- OPTIONAL INTERNAL BUZZER
- 1 DEG C OR 0.1 DEG C RESOLUTION
- IP40 FRONT COVER
- SEVERAL ALARM FUNCTIONS
- REMOTE KEY PROGRAMMING
- 1 X RELAY OUTPUT

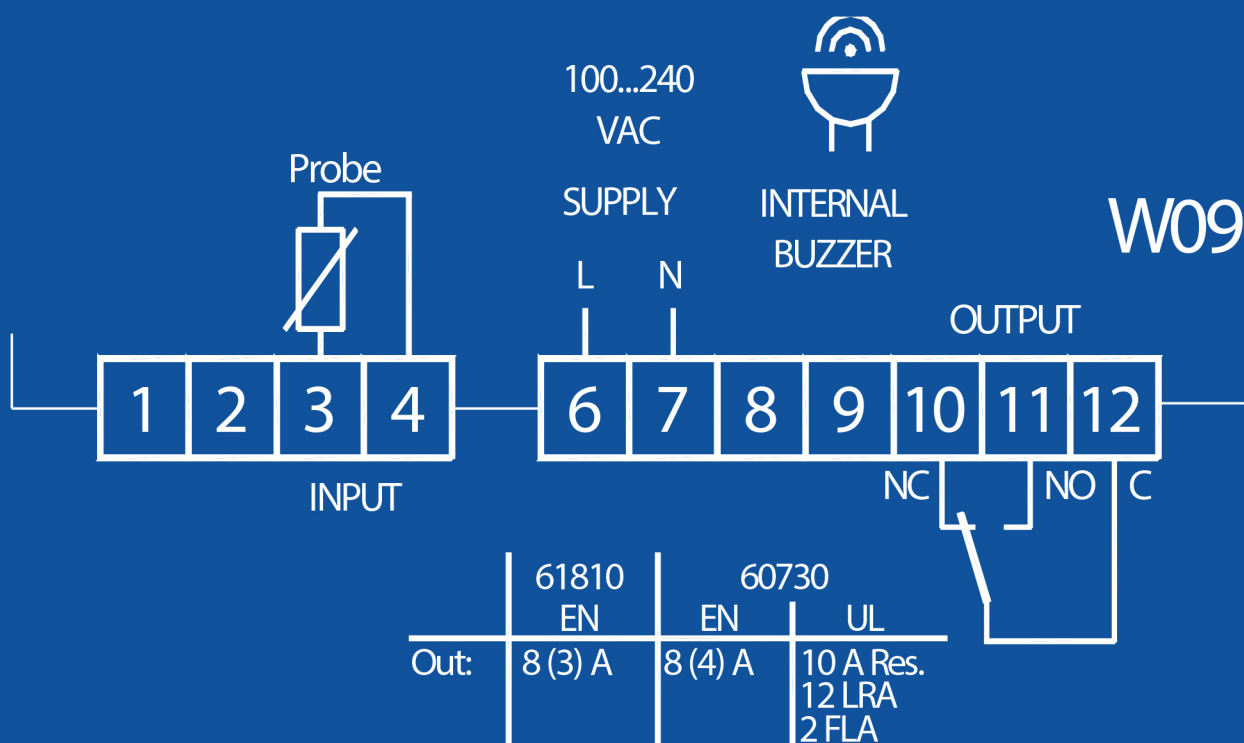
## SPECIFICATIONS

<b>Electrical Data</b>	
<b>Power Supply</b>	100...240 VAC +/- 10%
<b>Frequency AC</b>	50/60 Hz
<b>Power Consumption</b>	3 VA approx.
<b>Recommended Fuse</b>	instrum. supply: T 200 mA 250V; other circuits: depending on the connected load.
<b>Inputs</b>	1 input for temperature probes: PTC (KTY 81-121, 990 Ω @ 25 °C) or NTC (103AT-2, 10KΩ @ 25 °C).
<b>Outputs</b>	1 relay output SPDT
<b>Electrical Life for Relay Outputs</b>	100000 op. (EN60730)
<b>Action Type</b>	type 1.B (EN 60730-1)
<b>Overvoltage Category</b>	II
<b>Protection Class</b>	Class II
<b>Insulation</b>	Reinforced insulation between the low voltage part (supply and relay output) and front panel; Reinforced insulation between the low voltage section (supply H type and relay output) and the extra low voltage section (inputs); Reinforced between supply and relay output.
<b>Mechanical Data</b>	
<b>Housing</b>	Self-extinguishing plastic, UL 94 V0
<b>Heat &amp; Fire Resistance Category</b>	D
<b>Ball Pressure Test secondo EN60730</b>	accessible parts 75 °C; support live parts 125 °C
<b>Dimensions</b>	75 x 122 mm, depth 34 mm
<b>Weight</b>	120 g approx.
<b>Mounting</b>	independent wall mounting
<b>Connections</b>	2,5 mm <sup>2</sup> screw terminals block for 0,2...1,5 mm <sup>2</sup> / AWG 24...16 cables.
<b>Cables Outlet</b>	on the back side or lateral side by PG9 cable gland
<b>Degree of Front Panel Protection</b>	IP 40
<b>Pollution Situation</b>	2
<b>Operating Temperature</b>	0 T 50 °C
<b>Operating Humidity</b>	< 95 RH% without condensation
<b>Storage Temperature</b>	-25 T 60 °C
<b>Functional Features</b>	
<b>Temperature Control</b>	ON/OFF mode
<b>Defrost Control</b>	interval cycles by stopping compressor
<b>Measurement Range</b>	NTC: -50...109 °C / -58...228 °F; PTC: -50...150 °C / -58...302 °F
<b>Display Resolution</b>	1 ° or 0,1° (range -99.9 ...99.9 °)
<b>Overall Accuracy</b>	+/- (0,5 % fs + 1 digit)
<b>Sampling Rate</b>	130 ms.
<b>Display</b>	3 Digit Red (or Blue as option) h 15,5 mm
<b>Software Class and Structure</b>	Class A
<b>Compliance</b>	Directive 2004/108/CE (EN55022: class B; EN61000-4-2: 8KV 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); Directive 2006/95/CE (EN 60730-1, EN 60730-2-9). Regulation 37/2005/CE (EN13485 air, S, A, 2,- 50°C +90°C with probe NTC 103AT11).

# MEASUREMENTS



# ELECTRICAL CONNECTIONS



# HOW TO ORDER

USE THIS GUIDE TO  
FIND THE PART  
NUMBER OF  
THE PRODUCT YOU  
WANT

## 1 - MODEL

W09 - WALL MOUNTED TEMPERATURE CONTROLLER

## 2 - POWER SUPPLY

H = 100... 240 VAC/DC

L = 24 VAC/DC

## 3 - OUTPUT

R = Out Replay SPDT 8A-AC1

## 4 - BUZZER

B = Buzzer included

- = None