

ELIWELL TEMPERATURE CONTROL KITS ***Low & High Temperature Control***

How to supply a Temperature Control System for
Common Temperature Control applications!

Since 1980 Eliwell has supplied the Industry worldwide with quality Temperature Controllers based on the pioneering 32 X 74mm Front Panel format.

Eliwell has developed the IC Controllers for common applications requiring control of heating and cooling.

The IC Temperature Controller Range

Low Temperature System 0-100°C

A low temperature system for Heating and Cooling is specified with a set point for control of between 0-100°C, and is normally controlled by a single output controller with a temperature probe input.

This type of control is used in applications for heating and cooling of liquids such as water for swimming pools and spas, and hot water tanks for commercial applications such as hotels and sports complex's.

This system will normally use a thermistor probe (NTC or PTC), and is only used up to 100°C maximum!

High Temperature System up to 600°C

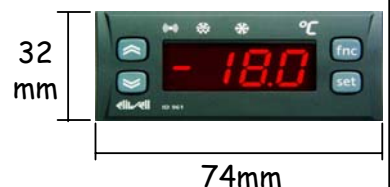
A high temperature system for Heating and Cooling is specified with a set point of control of up to 600°C, and is normally controlled by a dual output controller with a single probe input.

This type of control is used in applications for commercial cooking and industrial heating and cooling of products and process applications.

This system will normally use a thermocouple probe (Type K) or in some instances a RTD probe (pt100Ω) although RTD probes are more expensive and in most applications are not required.

Q: Which company was the first to market the revolutionary small scale, big feature Temperature Controller?

A: Eliwell Controls was established in 1980 in Italy , and pioneered the current popular 32 X 74 mm Front Panel employed by many systems!



Temperature Controls can be separated into two specific specifications, Low Temperature Control for heating/cooling between 0 to 100°C and High Temperature Control for up to 600°C.



Low Temperature Control for Heating/Cooling 0 to 100°C

What do I need to provide a Low Temperature Control solution?



Stokes IC902AC240 - Requires 240VAC Power Supply

1 X IC902 (IC11C00TCD700) NTC/PTC 240VAC Single Relay Output - Requires 240VAC Power Supply

1 X PROBE NTC SILICONE 3 M LONG (SN8S0A3000)

Stokes IC902ACDC12 - Requires 12-24 V AC/DC Power Supply*

1 X IC902 (IC11C00TCD400) NTC/PTC 12-24 VAC/DC Single Relay Output - Requires 12-24 V AC/DC Power Supply*

1 X PROBE NTC SILICONE 3 M LONG (SN8S0A3000)

*Any voltage between 12 and 24 Volts for AC or DC can be connected. 12 VDC, 24 VDC, 12 Vac or 24 VDC.



High Temperature Control for Heating/Cooling up to 600°C

What do I need to provide a High Temperature Control solution?



Stokes IC915AC240 - Requires 240VAC Power Supply

1 X IC915 (IC12J00THD700) T/C RTD 240VAC Twin Relay Output

1 X PROBE
RTD pt100Ω (SN200009)

Stokes IC915ACDC12 - Requires 12-24 V AC/DC Power Supply*

1 X IC915 (IC12J00THD400) T/C RTD 12-24 VAC/DC Twin Relay Output

1 X PROBE
RTD pt100Ω (SN200009)

*Any voltage between 12 and 24 Volts for AC or DC can be connected. 12 VDC, 24 VDC, 12 Vac or 24 VDC.

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