

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ELIWELL

Eliwell EWPC 902 Digital Temperature Controller

The Eliwell EWPC 902/T is a compact and versatile temperature controller designed for a wide range of applications. It features a clear display, intuitive controls, and precise temperature regulation. Ideal for refrigeration, heating, and air conditioning systems, the EWPC 902/T ensures reliable performance and energy efficiency.



MODEL

**Eliwell EWPC
902/T**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EWPC 902/T

LISTING

<https://aumictechlabs.com/products/ewpc-902-t-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Eliwell EWPC 902/T is a microprocessor-based, programmable single-setpoint temperature controller designed for various applications, including refrigeration, heating, and air conditioning systems. It features a user-friendly front keypad for programming and setpoint adjustment, along with an alpha-numeric menu for configuration. The controller is housed in a compact, auto-extinguishing black ABS plastic casing, designed for flush panel mounting with an included bracket. Its front panel offers IP65 protection, and an optional cover can be added for enhanced rear terminal block protection. The device utilizes non-volatile EEPROM memory for data storage. Technical Specifications * Model: EWPC 902/T Type: Temperature Controller Control Type: Single Setpoint, ON/OFF control with adjustable switching hysteresis (differential). Programming: Fully programmable via front keypad with alpha-numeric menu prompts. Display: 12.5 mm LED display (0.50 inches). User Interface: Front panel push buttons for setpoint adjustment and parameter

programming. Electrical Specifications * Power Supply: 12 VAC/DC $\pm 15\%$ or 24 VAC/DC $\pm 15\%$ (model dependent). Main Output: 1 x SPDT Relay, rated 8(3)A at 250V AC. Auxiliary Output: 12 VDC / 60 mA, suitable for powering transducers (e.g., humidity sensors, pressure transducers). Interfaces and Inputs * Input Types (Model Dependent): * PTC * RTD (Ni100, Pt100) * TC (J, K) * 4-20 mA (Input impedance $R_i = 41 \Omega$) Error Indication: * "-" - "-" for shorted sensor. * "EEE" for sensor break, absence, or over/under-range conditions. Physical Specifications * Housing Material: Black ABS plastic, auto-extinguishing. Dimensions: * Front: 74 $\times$ 32 mm (2.913 $\times$ 1.260 inches). * Depth: 67 mm (2.637 inches). Mounting: Flush panel mount with mounting bracket. Panel Cutout: 29 $\times$ 71 mm (1.14 $\times$ 2.80 inches). Protection: Front panel IP65 rated. Optional snap-on cover for rear terminal block. Connections: Screw terminal block, suitable for 2.5 mm² wires (one wire per terminal, VDE compliant). Environmental Specifications * Operating Temperature: -5°C to 65°C (23°F to 149°F). Storage Temperature: -30°C to 75°C (-22°F to 167°F). Compatibility * Sensor Compatibility: Compatible with PTC, Ni100, Pt100, J type Thermocouple, K type Thermocouple, and 4-20 mA current loop sensors. Other Eliwell Sensors: Can be powered by the controller when used with Eliwell humidity (EWSH 28/31) or pressure (EWPA 007/030) sensors. Features * Resolution: 1°C or 0.1°C (also selectable as 5°C or 0.5°C). Accuracy: Better than 0.5% of full scale. Data Storage: Non-volatile EEPROM memory. Defrost Functions: Supports Off Cycle Defrost, Defrost with Temperature Termination, and Defrost with Fan Delay. Control Modes: Can be configured for Heating (relay makes on fall) or Cooling (relay makes on rise) applications. Setpoint Limits: Configurable Lower Set (LS) and Higher Set (HS) limits to restrict user-adjustable setpoint range. Calibration: Field calibration offset of ± 20 degrees is possible. Relay Protection: Configurable relay output behavior upon sensor fault (Open or Close). Why Choose Aumictech for the Eliwell EWPC 902/T Temperature Controller? At Aumictech, we specialize in supplying high-end industrial automation equipment. Whether you need reliable temperature regulation for critical processes, precise control for energy efficiency, or solid components for system integration, our team ensures the Eliwell EWPC 902/T delivers maximum performance for your application.

EWPC902T Characteristics / Specifications

PARAMETER	VALUE
Model	EWPC 902/T
Instrument Type	Microprocessor single setpoint process controller
Family	Eliwell EWPC 902/S
Front Size	74 × 32 mm (2.913 × 1.260 in)
Depth	67 mm (2.637 in)
Panel Cutout	71 × 29 mm
Front Protection	IP65
Relay Output	one SPDT 8(3)A 250 V
Auxiliary Output	12 V / 60 mA transducer supply
Sensor Inputs	PTC / Pt100 / 4-20 mA, Ri = 41 ohm (902/T/S)
Serial Port	RS-485 Televis
Televis Software	release 2.3.2 or greater (2.4 or greater on later text)
Resolution	1 C (F) or 0.1 C (F); right-most digit 0/5 or all 10
Accuracy	better than 0.5 percent of full scale
Power Supply	12 to 24 V AC/DC
Operating Temperature	minus 5 C to 65 C (23 to 149 F)
Storage Temperature	minus 30 C to 75 C (minus 22 to 167 F)
Mounting	flush panel with mounting bracket
Connections	screw terminal block
Housing	Eliwell 32×74 popular housing
Sibling Humidity	EWPC 902/R/S with EWHS 28/31
Sibling Pressure	EWPC 902/P/S with EWPA 007/030
Manufacturer	Eliwell
Literature	Eliwell EWPC 902/S series quick start / user manual
Humidity	EWPC 902/R/S with EWHS 28/31

EWPC902T Specifications

PARAMETER	VALUE
Applications	Refrigeration and process panels needing a 32×74 single-setpoint temperature controller with Televis RS-485.
Key Features	PTC, Pt100, or 4-20 mA temperature input
SPDT 8(3)A 250 V relay	12 V / 60 mA transducer auxiliary
Technical Specifications	Model: EWPC 902/T
Notes	From Eliwell EWPC 902/S series quick-start. Queue model EWPC 902/T is the temperature input member, not 902/R humidity or 902/P pressure.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 30 C to 75 C (minus 22 to 167 F)
Operating temperature	minus 5 C to 65 C (23 to 149 F)
Operating Temperature	minus 5 C to 65 C (23 to 149 F)
Humidity	EWPC 902/R/S with EWHS 28/31
Mounting	flush panel with mounting bracket
Connections	screw terminal block
Housing	Eliwell 32×74 popular housing
Sibling Humidity	EWPC 902/R/S with EWHS 28/31
Sibling Pressure	EWPC 902/P/S with EWPA 007/030
Manufacturer	Eliwell
Literature	Eliwell EWPC 902/S series quick start / user manual Notes From Eliwell EWPC 902/S series quick-start. Queue model EWPC 902/T is the temperature input member, not 902/R humidity or 902/P pressure.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	EWPC 902/T
Instrument Type	Microprocessor single setpoint process controller
Family	Eliwell EWPC 902/S
Front Size	74 x 32 mm (2.913 x 1.260 in)
Depth	67 mm (2.637 in)
Panel Cutout	71 x 29 mm
Front Protection	IP65
Relay Output	one SPDT 8(3)A 250 V
Auxiliary Output	12 V / 60 mA transducer supply
Sensor Inputs	PTC / Pt100 / 4-20 mA, Ri = 41 ohm (902/T/S)
Serial Port	RS-485 Televis
Televis Software	release 2.3.2 or greater (2.4 or greater on later text)
Resolution	1 C (F) or 0.1 C (F); right-most digit 0/5 or all 10
Accuracy	better than 0.5 percent of full scale
Power Supply	12 to 24 V AC/DC
Operating Temperature	minus 5 C to 65 C (23 to 149 F)
Storage Temperature	minus 30 C to 75 C (minus 22 to 167 F)
Mounting	flush panel with mounting bracket
Connections	screw terminal block
Housing	Eliwell 32x74 popular housing
Sibling Humidity	EWPC 902/R/S with EWHS 28/31
Sibling Pressure	EWPC 902/P/S with EWPA 007/030
Manufacturer	Eliwell
Literature	Eliwell EWPC 902/S series quick start / user manual

Notes

From Eliwell EWPC 902/S series quick-start. Queue model EWPC 902/T is the temperature input member, not 902/R humidity or 902/P pressure.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.