



Carlton Thermal  
Systems Ltd.

# CONSERVATION + Conservation Heating Controller

Designed to control humidity by switching free standing electrical heaters or taking the place of your room thermostat in historical buildings and archives.





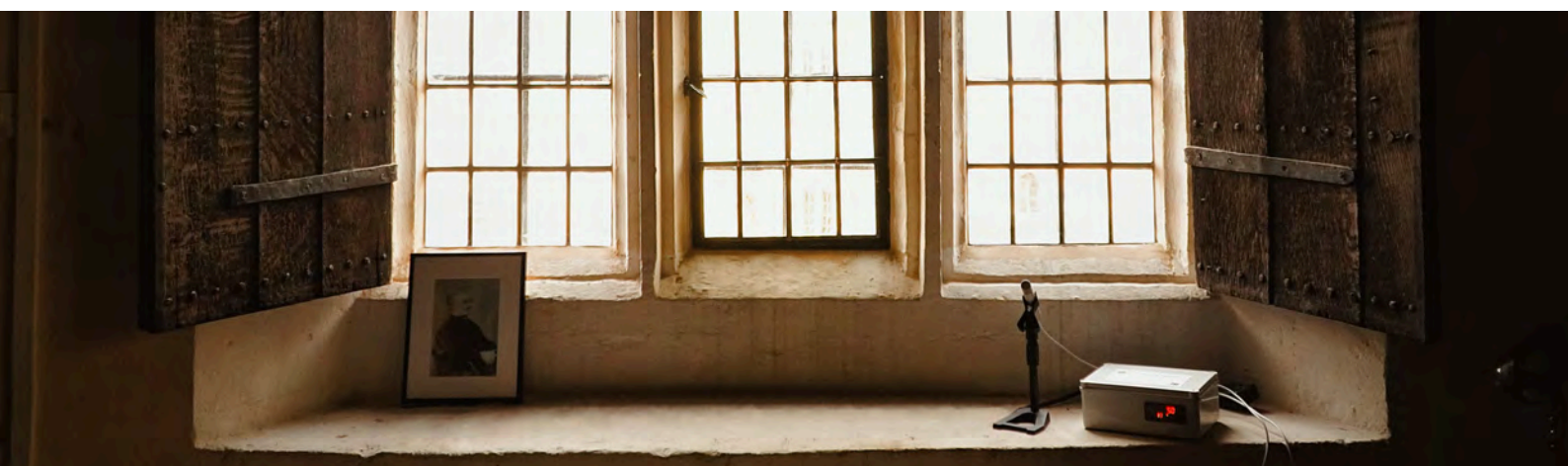
The **CONSERVATION** + controller has been designed in collaboration with The Oxford Conservation Consortium and with input from The National Trust.

## **MODE OF OPERATION.**

The controller is designed for dehumidification within a space by comparing the controllers set point against the measured value from the remote temperature and humidity sensor. When the space is above the humidity set point, and below the maximum allowable temperature, the plug outlet of the device is enabled, allowing the heater to be powered.

## **FEATURES.**

- Compatible with standard 13A UK plugs and up to 2kW Heaters
- Grey or Black fascia designs available
- Comfort temperature timer mode included
- Frost Protection
- Display screen saver option
- Integral hours run meter to calculate power consumption
- Extension module available to control up to two, 2kW Heaters
- Sensor available with Magnetic Clamp, Low Profile shelf stand and Desk top Microphone stand options.





## TECHNICAL DETAILS

Enclosure	Grey, thermoplastic
Dimensions	230mm x 170mm x 80mm
Degree of Protection	IP5X
Power	230VAC $\pm$ 10%
Rated Input Current	13A
Rated Output Current	10A
Cable Length	2.5m
Frequency	50Hz
Overvoltage Category	Category II
Operating Temperature	5°C to 35°C
Operating Humidity	20 ~ 90% RH non-condensing
Environment	Indoor use only
Altitude	2000m
Pollution Degree	Degree 1

Humidity measurement range	5 – 95 %RH
Accuracy	$\pm$ 3 % between 5 and 80 %, $\pm$ 5 otherwise
Temperature measurement range	-10 to 70 °C
Accuracy	$\pm$ 1.5 °C.
Sensor response time	Less than 30s
Probe Length	1.5 or 3m Option

Compliance - The equipment has been tested to the below standards.

- Safety – IEC 61010-1:2010+A1:2016
- EN 55014-1:2021
- EN 55014-2:2021
- EN 61000-3-2:2019+A1:2021
- EN 61000-3-3:2013+A1:2019+A2:2021

**UK  
CA**





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FOR FURTHER INFORMATION, TO REQUEST A  
QUOTATION OR TECHNICAL ASSISTANCE  
**Please Call**

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*All brochure photographs by Yazmography & the location with thanks to the President and Fellows of Magdalen College, Oxford.*

