

Xtralis Test Transformer

VTT-10000



Features

- Tests very early warning aspirated smoke detection equipment
- Incorporates a timer to provide a selectable burn period of up to 3 minutes
- Embedded thermal switch to protect against over-temperatures

Listings / Approvals

- EN 61558-1:1997 Safety of power transformers, power supply units and similar
- EN 61558-2-6:1997 Particular requirements for safety isolating transformers for general use.
- EN 50081-1 EMC-Generic Emissions
- EN 50082-1 EMC-Generic Immunity
- FCC Part 15 Class A Emissions

Regional approvals listings and regulatory compliance vary between product models. Refer to www.xtralis.com for the latest product approvals matrix.

Xtralis Test Transformer VTT-10000 (previously known as the Hot Wire Test – Power Supply Unit (PSU)) is a tool used to test very early warning aspirated smoke detection equipment.

How it works

The unit generates a high current that passes through a test cable in order to heat it, which in turn causes its insulation to burn giving off smoke. The maximum operating time for the unit is three minutes and then it must be left immediately to cool it off for a period of at least seven minutes.

On State: When the unit is turned on, the “POWER” indicator flashes a green light and the power is applied to the output terminals until the set time has elapsed.

Off State: Once the timer has timed out, the output is switched off and the “OUT” indicator illuminates a red light while the “POWER” indicator remains illuminated.

Timer

A timer is incorporated to provide a selectable burn period of up to 3 minutes. The timer also helps to prevent the unit being inadvertently left on for an extended period.



The timer is reset when the switch is turned off and will run for the set period when the switch is turned on again.

Thermal Switch

The unit is protected against over-temperatures by a thermal switch. Regardless of the power presence, this switch will not allow operation for an extended period (up to an hour) once turned on. Moreover, the thermal switch cannot be bypassed or reset manually.

Specifications

Type	VTT-10000
Weight	2.7 kg
Dimensions (LxWxH)	7.2 cm x 12.1 cm x 13.3 cm
Voltage Input	220-240 VAC, 50 Hz or 110-120 VAC, 60 Hz
Input Rating	800 mA @ 240 VAC, 50 Hz, 1.6 A @ 120 VAC, 60 Hz
Fuse	220-240 VAC, 800 mA(T) (anti-surge) 110-120 VAC, 1.6 A(T) (anti-surge)
Output	6 VAC nominal, 20 A
Operating Time	Maximum on time: 3 minutes
Minimum off time between tests	7 minutes
Protection	IP30 Indoor use only (this product is not to be used in the presence of moisture)

Timer Power Indicators

Power (Flashing Green)	Output is turned on, timer on
Power (Constant Green)	Output is turned off, timer off
Out (Red)	Output is turned off, timer off

Ordering Information

VTT-10000-AUS	Australia
VTT-10000-UK	United Kingdom
VTT-10000-EUR	Europe
VTT-10000-USA	United States
251-001	Test Wire (100 m length)

Approvals Compliance

Please refer to the Product Guide for details regarding compliant design, installation and commissioning.

www.xtralis.com

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Doc. no. 29484_00

Part: 30718

