



STRIX R72 Integrated Control

Overview:

The STRIX R72 is a kettle or jug steam control incorporating self-resetting protection against accidental dry switch-on of the appliance or boiling dry.

Additionally, a 'Thermal Fuse' (TF) gives protection against dangerous over-heating in the unlikely event of the dry switch-on protector failing.

Features/Benefits:

- Three levels of appliance protection
- Proven reliability minimises the need for appliance end of line testing.
- Specifically designed for low installed cost and simple assembly operation.
- Many variants allow maximum appliance design flexibility.
- World-wide approvals facilitate entry to the international market place.
- Designed to interface directly with the STRIX Cordless Systems P69 and P75.

Functional Description:

The control is designed for incorporation within the cosmetic cover of the kettle or jug, its trip lever interfacing with the switching arrangement of the manufacturer's appliance. The control comprises two single-pole switches, one in the line supply to the element and the other in the neutral. The neutral contacts are opened by the steam thermostat which also causes the trip lever to latch into the "OFF" position. The silver line contacts are operated by the dry switch-on protector which responds to the heat conducted from the element should the element over-heat due to the lack of water in the appliance.



The steam thermostat is operated by steam ducted into the control via a small hole near the top of the vessel or tube arrangement within the appliance handle/cover. This switches the appliance off when boiling occurs. The Thermal fuse acts as an ultimate safety device to open the neutral contacts. This is a "one shot" device. (The appliance requires servicing once the TF has operated).

Installation:

- The seal is fitted to the hole in the appliance and the control is attached through the appliance hole onto the element by three screws, compressing the seal to a pre-set value.
- Further information, applications, drawings and advice are available from any STRIX sales office.

Technical Specification

Electrical Rating:

VOLTAGE: 220-240V RMS @ 50Hz: or 110-120V RMS @ 60Hz

CURRENT: 13amps @ 240V RMS 13amps @ 120V RMS

Design Criteria:

- Designed for incorporation in Class 1 appliances
- Designed to exceed all safety and endurance requirements of International and National Safety Standards

Material:

Control body high temp flame retardant polymer to U.L. 94-V1

Certification:

Certified to EN 60730-2-1 by B.E.A.B., also to National Standards by U.L. & C.S.A. As with all certification, approbation bodies reserve the right to carry out such tests as they consider necessary to prove the suitability of the component in the end-user application.

Connectors:

Configured to meet: IEC 10amp Class 1 hot or cold connector or C.S.A. 15amp @ 125V or 4.8 x 0.8 faston connectors or UL special reverse polarity. Quick disconnect cord set. Neon entries provided to suit Molex 4809 push connectors.



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