

## STRIX P69 Cordless System

### Overview:

The STRIX P69 is a one piece, low cost cordless interface system incorporating contacts designed for robustness and reliability. It is designed to interface directly with the universally recognised [STRIX R72](#) and [STRIX R3](#) controls, and to allow the use of cosmetically co-ordinated base mouldings.

### Product Image:



### Features/Benefits:

- One piece cordless system that connects directly to standard STRIX controls
- Compatible with [STRIX R72](#) and [STRIX R3](#) controls allowing simple, robust conversions to cordless appliances
- Assembled into power base from one side allowing simplified and fast assembly times
- Small intrusion into appliance rear cover minimising design modification for cordless variant
- Allows the use of colour co-ordinated cosmetic cover

### **Functional Description:**

The P69 comprises a single skeleton contact housing designed to be incorporated within the confines of the cordless base mouldings. It contains high quality conductors terminated with 4.8mm x 0.8mm male tab connectors to allow for ease of assembly. The entry ports into the contact housing are designed to exceed all electrical safety regulations but nonetheless both they and the contacts within are shrouded by a smooth shutter. The earth pin slides the shutter open as the appliance is placed onto the base. The pins of the R7 and R3 control are then allowed to penetrate the housing and make electrical contact. The components are so arranged that the earth pin will always contact first and break contact last, circuit continuity always being made and broken by the line pin. It follows that by fitting a P69 compatible [STRIX R72](#) and [STRIX R3](#) control and by simply changing the back cover component, the appliance can be converted from [corded](#) to [cordless](#). The whole assembly is designed to minimise water ingress and to ensure electrical creepage and clearance paths cannot be bridged.

### **Installation**

- The contact housing assembly is placed into its location feature in the inside of the upper base moulding. The three wires are connected using standard 4.8mm x 0.8mm receptacle connections, with the main cable passing through a strain relief feature. The lower base moulding is then fitted, securing the contact housing and cables.
- Drawing of the cosmetic cover location feature design for incorporation in the appliance base moulding is 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:**

Body and shutter of the control moulded in high temp flame retardant polymer to U.L. 94-V1

### **Control Actions:**

N/A

**Certification:**

Tested to EN60335-2-15 and B.E.A.B. memo 701 (Issue 2) and certificates under B.E.A.B.'s Certificate of Recognition Scheme. Certification pending with U.L. and C.S.A. It should be noted that the performance of cordless interface systems is appliance dependent and approbation bodies will carry out such tests as they consider necessary to prove the suitability of the combination.

**Connectors:**

4.8mm x 0.8mm female quick connect receptacle to IEC 760.

**Partnership:**

As the World's leading manufacturer of thermostatic controls for jugs and kettles, STRIX has unrivalled experience in the design, manufacture and tuning of these appliances for optimum performance in partnership with the appliance manufacturer. STRIX engineers are always delighted to work with your design teams at the earliest stages on issues including the following:

- Applications assistance including locating and connecting to controls
- Cosmetic cover design and its effect on appliance performance.
- Element rating and options.
- The siting and operation of ancillary components.

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## Appendix

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