

PRODUCT SPECIFICATION

The IP Dual Relay is compatible with the TACERA Nurse Call System and allows patients to control one or two light circuits in their room using any of Austco's handsets with light switching buttons.

Comprised of switching circuits and relays in a small black plastic enclosure, it is suitable for installation in ceilings, bedhead panels or over-bed ducts.

The Dual Relay integrates with any of Austco's SteriButton Callpoints with optional 6.5 mm pendant socket or 8 pin DIN socket. The relay is activated by pressing a light control switch on the patient Call Pendant or Entertainment Handset, and button presses toggle between turning a light on and off.

More than one input can switch an output on the Dual Relay, and the input can be specified as either Equal, Invert or Toggle.

The Dual Relay can also be used to switch any other connected device (such as blinds, door access, etc) from any other input device, not just light buttons on a handset.

Connection to the two mains light circuits is via screw terminal connectors. Light switching is via double pole (change-over) relays rated up to 8 A at 250 V. The switching relay used has silent operation, even when mounted within aluminium bedhead panels.

The IPnet ports and lighting cable terminals are both physically and electrically isolated to 3.5 KV to ensure patient safety.

The Dual Relay interfaces to the IPnet Router via a CAT5/6 cable with 8-way modular connectors. Two IPnet ports allow both power and IPnet data to pass through the device on one IPnet run.

Up to 15 IPoint devices can be connected per IPnet Router port, subject to a maximum cable length of 300 m.

Dual Relays are plug-and-play with their own unique MAC address – when connected to the IPnet Router, a DHCP IPnet address will be automatically assigned. Access via a web-browser allows all Dual Relays to be assigned their functionality and room.

The operating parameters of each Dual Relay, including trigger, function and location, can be upgraded in real time without shutting down the system. This allows changes to be made on a working system without interruption to the operation of the system.

The Dual Relay electronics are protected against power surges, near lightning strikes, cable shorts and power reversals.

Typical power consumption is 30 mA at 24 V when both relays are active and 15 mA when on standby.

CISPR 22 Class B certification ensures that the Dual Relay meets the new international emission requirements for hospitals and aged care facilities.

The Dual Relay complies with the international RoHS Directive for the restriction of hazardous substances in electronic equipment.

Dimensions & Specifications

Height:	95 mm	Depth:	36 mm
Width:	135 mm	Weight:	130 g
Housing:	Plastic	Mounting Method:	Surface mount
Connectors:	IPnet - 2 x RJ-45 socket Relay - 2 x 3 way screw terminal	Cable Sizes:	IPnet - CAT5, CAT5E, CAT6, CAT6E Relays - 1.5-2.5 mm TPS
Current Consumption	Standby: 15 mA at 24 V Maximum: 30 mA at 24 V	Voltage:	24-32 V DC
Temperature:	0 – 50°C	Humidity Range:	0 – 85% Non Condensing

Ordering Options

Code	Description	Order Options
IP-RLY	IP Dual Relay	

Designed to comply with:

- AS 3811: Hard-wired patient alarm systems.
- HTM 08-03: Bedhead services.
- UL 1069: Hospital Signaling and Nurse Call Equipment.
- IEC 60601-1, UL 60601-1 and CAN/CSA C22.2 No. 601.1-M90: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.



Manufactured in general accordance with the requirements of international quality assurance standard ISO9002.

Authorised Austco Reseller

