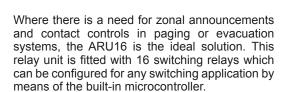# ARU16
Relay Unit

AUDAC

▶ Features

- **Simple and fast setup**
- **Mounted on DIN-rail**
- **Status-LEDs to facilitate control**
- **Switching is done by microcontroller**
- **Communication via RS485 data bus**
- **16 Switching relays**
- **For use with the APM consoles**
- **Possible to connect multiple units in cascade**

▶ Applications

- **Public buildings**
- **Fire departments**
- **Warehouses**
- **Business offices**
- **Sports sites**
- **Must be combined with APM digital paging microphones**

Where there is a need for zonal announcements and contact controls in paging or evacuation systems, the ARU16 is the ideal solution. This relay unit is fitted with 16 switching relays which can be configured for any switching application by means of the built-in microcontroller.

Combined with the AUDAC APM paging consoles, it offers a simple and versatile paging solution that can be applied to all types of systems. It has full priority and there can be switched between 100V and standard low impedance speaker signals as well as line level signals.

The unit is designed to be mounted on a DIN-rail and has simple connectors for signal and loudspeaker level. Due to this mounting, a cable connector board is immediately created when building 19" racks. The input connectors have been paired so that switchable signals can be connected immediately (e.g. paging and music signal). Through addressing, it is possible to connect multiple units in series or parallel or to combine the unit with other ARU-versions. This offers a large range of possibilities for complex systems (zone switching, 24 V charges, alarms, messages, …).

Furthermore, the design has been constructed in a way that those relays are energised at rest, whereby the call is always switched through in the event of malfunction. As an additional advantage, the ARU16 contains "jumpers" which allow routing of the input signal. A small switching matrix can thus be constructed as a function of the intended application. The ARU16 works on a 24 V DC power supply and the relays are activated according to the principle of grounding (common line). Through the RS485 data bus, communication with the APM paging tables or other control equipment is established (e.g. Crestron, AMX, …).

▶ Specifications

SYSTEM SPECIFICATIONS	
Power supply	24 V DC
Number of relays	16
Digital control	RS485
Standard data bus	RS485
Power consumption (max)	20 W
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	375 x 98 x 125 mm
Weight	1.16 Kg
Mounting	DIN rail
Construction	Unbreakable plastic housing
Fire Hazard Class	VO (UL94)
Colour	Green
	Transparant
SHIPPING & ORDERING	
Packaging	Carton box
Shipping weight and volume	1.16 Kg - 0.0046 Cbm
Accessory	PSD242 Power supply

*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our products