ARU104 MK2

Intelligent relay unit - 4 relays

AUDAC

▶ Features

- **4 Switching relays**
- **Normal open & normal closed contacts**
- **DIN-rail mountable enclosure**
- **RS-485 communication bus**
- **RJ45 input & output (linkthrough) connection**
- **Manual (contact) relay activation**
- **Status indicator LED's**
- **Switching audio, speaker or ELV signals**
- **Screw terminal in & output connections**

▶ Applications

- **Public buildings**
- **Emergency services**
- **Warehouses**
- **Business offices**
- **Sports sites**
- **...**
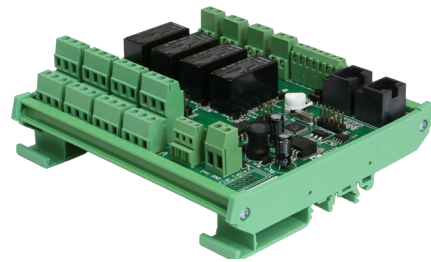
The ARU104MK2 is an intelligent relay unit featuring four double pole relays with normal open and normal closed contacts. Control can be done through both digital (RS-485) and analogue (contact) input signals. Thanks to the flexible structure in terms of connectivity and control, the ARU104MK2 can be implemented in a wide variation of applications, adding flexible and intelligent functionality to your audio & video related or any other project.

The signal inputs are capable of handling a wide varity of signals, including line level audio signals, loudspeaker level signals or low voltage power distribution with a maximum voltage up to 100 Volts. The inputs shall be connected to the A and B input terminals implemented using 3-pin screw terminals, whereof A uses normal open (NO) contacts and B uses normal closed (NC) contacts. The switched output comes available on the 2-pin output signal connections. The double-pole construcion also allows switching of balanced / differential signals.

Digital communication with the unit is done using the RS-485 data protocol, which allows the ARU104MK2 to be used in combination with APM1xx paging microphones for application to any existing audio system for switching between background music and prioritary voice announcements. When applying it to any digital audio matrix system such as R2, M2 or MTX series, additional functionality such as the control of monitors, projection screens, lighting, ... and many more can be achieved.

The unit is housed in a DIN-rail mountable enclosure, which allows rack / cabinet implementation with other electrical or control equipment.

▶ Specifications

SYSTEM SPECIFICATIONS	
Number of relays	4
Relay type	Two pole type
Contacts	Normal open & normal closed
Control	Digital communication bus (RS-485)
	Manual (contact) relay activation
Indicators	Relay activation indicator LED's
Power supply	24 V DC
Max power consumption	6 Watt
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	112.8 x 50.4 x 132 mm
Weight net	0.58 Kg
Data connection	2 x RJ45 (input & linkthrough output)
Data protocol	RS-485
Signal input	3-pin screw terminal for A & B input (8x)
Signal output	2-pin screw terminal (8x)
Connection standard	TIA/EIA T568B
Required cabling	UTP CAT5E
Max cable length	300 meter
Colour	Green
Construction	Non breakable plastic
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	Kg - 0.0012 Cbm
Optional accessories	ARJ03P junction box
	CP45ARJ RJ45 junction plate
	PSD24x external power supply

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