



ARU108MK2

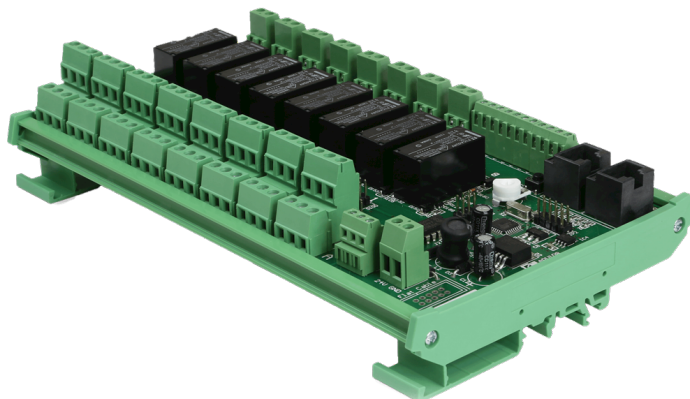
Relay group 8 relays

Highlights:

- 8 x Relay outputs (NO/NC)
- Terminal block connection
- DIN rail mounting enclosure
- Manual (contact) relay activation
- Digital communication bus (RS-485)

Product information:

The ARU108MK2 is a special designed flexible relay module, consisting of 8 relays. These can be used for switching between two different input signals. In the most common situations a background music signal and a priority signal are applied. In combination with the 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 can be switched between 100V and standard low impedance speaker signals, as well as line level signals. There's the possibility to connect multiple units in cascade which offers a wide range of possibilities for all kinds of applications. They are suitable to be mounted on a standard DIN rail, providing connection strips for the in- and output signals.



System specifications:

Number of relays		8
Relay	Type	Two pole type
Inputs	Signal	8 x 3-pin screw terminal for A & B input
Outputs	Signal	8 x 2-pin screw terminal
Contacts		Normal open & normal closed
Control		Digital communication bus (RS-485) Manual (contact) relay activation
Indicators		Relay activation indicator LED's
Power	Consumption	12 W (max.)
	Supply	24 V DC
Connectors		2 x RJ45 (input & linkthrough outputs)
Max. cable length		300 m
Connection standard		TIA/EIA T568B

Product Features:

Dimensions	112.8 x 50.4 x 205.2 mm (W x H x D)
Weight	0.580 kg
Data protocol	RS-485
Required cabling	UTP CAT5E
Colours	Green
Construction	Unbreakable plastic housing

Architects' and Engineers' Specifications:

The relay switcher shall be an intelligent unit, featuring 8 double pole switching relays with normal open (NO) and normal closed (NC) contacts.

The control shall be possible using both analogue contact inputs and a digital RS-485 communication protocol. Using the digital communication, linking the relay unit with paging and audio matrix systems shall be possible without requiring complex program-ming of configuring. Additionally customized control from home and industrial automation systems shall be possible adding other flexible intelligent functionality to your project.

The relay unit shall be capable of handling a wide variety of signals, including line level audio signals, loudspeaker level signals as well as low voltage power distribution with a maximum voltage up to 100 Volts. The double pole relay configuration allow switching of balanced / differential signals.

All signal in & output connections shall be implemented using screw terminal connections while the digital communication bus is implemented using 2 x RJ45 connectors for signal linkthrough to other units. The system shall have an operation voltage of 24 V DC and shall be powered by an external power supply.

The system shall be housed in a DIN-rail mountable enclosure allowing rack / cabinet implementation with other electrical or control equipment. The dimensions shall be 122.8 x 50.4 x 205.2 mm and the weight shall not exceed 0.46 Kg

The relay unit shall be implementable in a total system control application which is compatible with Android and iOS devices, allowing combining its controls together with other audio&video equipment from one single dashboard.