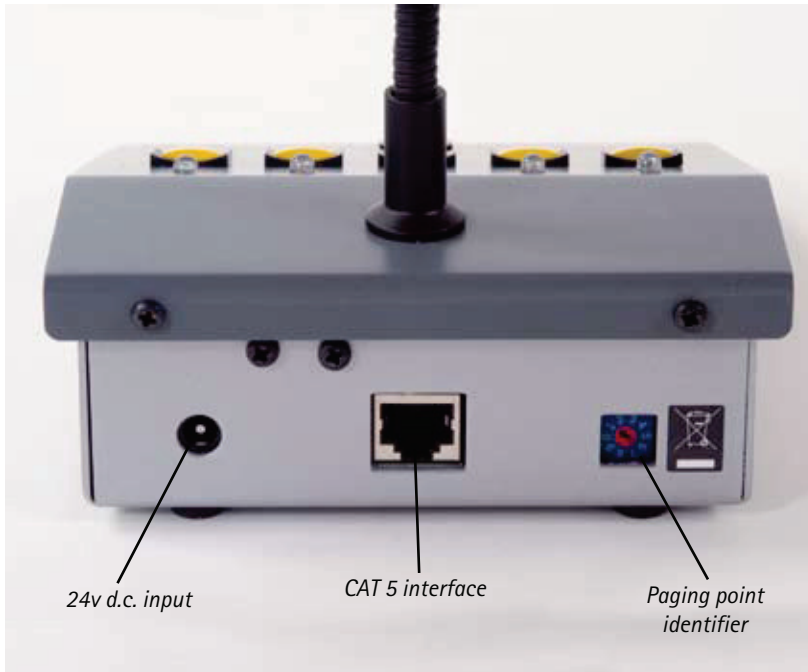


Pro-Range Multizone Paging System



Pro-Range 5 and 10 zone self cancelling Paging Points operate exclusively with a rack mounting ZRU010 relay interface and central logic processor for up to 10 zones. Systems can be cascaded. Interconnection is based on CAT5 technology.

PRO-RANGE MULTIZONE, MULTIPOINT, ZONE PAGING SYSTEM



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VERSATILE

Whilst most system designers will switch zones of loudspeakers, the system is sufficiently versatile to operate between pre-amplifiers, 600 ohm signal sources or with individual zone amplifiers.

Each Paging Point incorporates audio compression; an in-built pre-announcement 'gong' is a link selectable option. Communication and digital signalling between the ZRU 010 central processor and each Paging Point uses standard CAT 5 cabling.

SELF CANCELLING ACTION

Operation of the PRESS-TO-TALK button activates the zones relays; after release, on completion of the page, zone relays are automatically de-energised and the system is returned to normal, ALL CALL prepared condition. Importantly, the operator does not have to remember to cancel the zone(s) selected.

PAGING POINT QUEUING

Up to eight Paging Points can be connected to the system; in systems comprising more than one Paging Point, if the system is occupied, the PRESS-TO-TALK LED will continuously flash to indicate this at all Paging Points except the one in use.

Zone pre-selection is still possible whilst queuing for system access and once the system is released any other Paging Point can enter the system with their pre-selected zone choice.

SINGLE, DUAL OR MULTIPLE AMPLIFIER SYSTEMS

Provision is made to connect a dedicated music amplifier and a separate paging amplifier. When a system is configured this way, paging into individual zones will not disturb the distribution of music to others.

Full music and/or paging "lock out" options are provided on each zone.

The zone switching relays may also be used to route music and paging commands to separate zone amplifier inputs, operating at normal 600R line level.

PHYSICAL SIZE

5 zone:	130 x 168 x 50
10 zone:	240 x 168 x 50
ZRU 010:	483 x 170 x 43.25 (IU)

FINISH

Microphone Body – Silver powder coat
Microphone Top – Basalt grey
Microphone and Gooseneck – Matt Black

ORDER CODES

ZRU 010 – 1u rack mounting relay/zone processor
DPM 105 – Self cancelling 5 zone paging point
DPM 110 – Self cancelling 10 zone paging point
PSU 24v – Plug top power supply

SYSTEM BENEFITS

The multizone paging system provides:

- Fully automatic ALL CALL
- Pre-selection of zones prior to paging, self-cancelling after use
- Whilst waiting for paging access to the system, users can pre-select (reserve) their zones to be paged
- One Paging Point can be designated to have overall priority in the system
- Up to eight Paging Points can comprise a multizone system
- System access can be made through host amplifier input 'gates', priority 24V operation of loudspeaker zone relays, or to individual zone amplifiers, fed at 600R line level, OdBm, allowing use of low cost "ungated" amplifiers

PRESS-TO-TALK/ALL CALL

Momentary action button with LED indicating ALL CALL or SYSTEM OCCUPIED

ZONE SELECTION

Momentary action, electronic locking, buttons with individual LED to confirm selection acceptance

PAGING POINT OUTPUT

Utilises CAT 5 cabling technology and is suitable for cable lengths of up to 300 metres, unshielded. This Pro-range Multizone System is not designed to integrate into an existing or common local area network (LAN).

ZONE RELAY LOAD

Will accept the output of a 250W amplifier, line voltage up to 100V or 600R line level switching. TRIWIRE paging override facility include in each zone

POWER REQUIREMENT

24/30v d.c. When powering a total system from the ZRU 010 source the peak current consumption will be : 1 amp for 5 Paging Points and 2 amps for 10. This does not include the possible requirements of a total System design that may incorporate remote override volume control relays or other peripherals.

N.B. It is possible to locally power each Paging Point using a PSU 24v plug top power supply.

CABLING REQUIREMENTS

CAT 5: 4 pair unshielded

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