

PR7400 Remote Paging Overriding Module

PR7400 is a module for providing a relay contact whenever a paging is in progress, as well as converting the 100V line paging audio to line level, all in a box.

Relay : NO and NC relay of 1A contact allows local BGM source overriding which bypass local volume controller to allow central paging to pass through. This is useful during essential paging and whenever 24V DC overriding signal is not available in the cabling works.

100V - Line audio converter : When it is required that the central paging to be broadcasted to local speakers utilising the local amplifier / system, it provides an audio conversion with balanced line audio.



Features

- DPDT with NC and NO relay for different output configurations
- 100V to Line audio conversion
- Adjustable detection sensitivity, relay trigger duration
- Adjustable line output volume
- Suitable for remote overriding for installations without 24V DC VC overriding cable
- Modular for flexible placement of unit such as in cabinets, risers, etc

Technical Specifications

Power requirement:

Voltage	24 DC via local adapter
Consumption	2.1W (standby)
	2.5W (operating)

Paging input	50 / 70 / 100V line
Sensitivity threshold	5 - 80V rms
Detection frequency	80 - 5 KHz
Relay	NC and NO (DPDT)
Relay contact	1A @ 24V DC
Paging load / rating	100 W @ 100V
Trigger duration	5 - 18 seconds

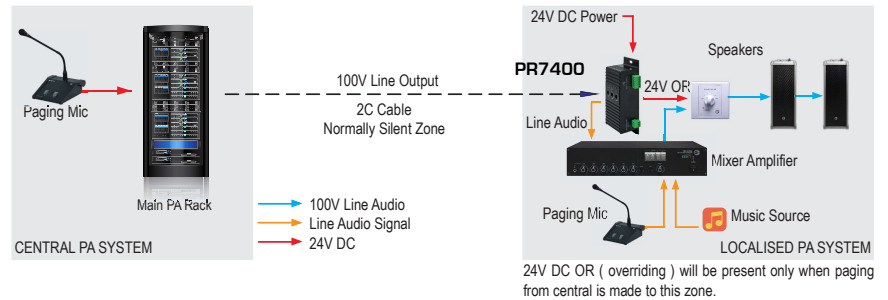
Audio output	line balanced
Output level	Mute - 0dB
Freq response	20 - 20 KHz +/-3dB
Isolation to 100V	37.5dB

Indicators	Power, Relay trigger, Audio
Connections	Detachable Phoenix

Dimensions (WxHxD)	52 x 147 x 40 mm
Weight (excl. adaptor)	200 g

Application Schematics

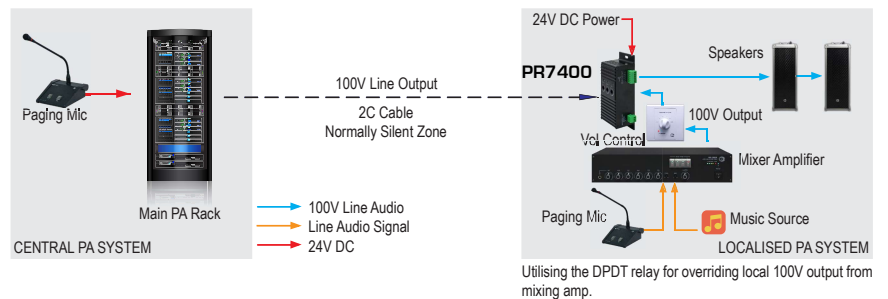
Application Example 1 : Overriding Local BGM Source



Certain zones, such as retail units, restaurants and theaters are normally free from normal paging of central system. They would have own localized BGM or simple PA.

Only essential paging would pass through the localized speakers. As such, PR7400 would be employed to provide overriding of local volume controller (if available) and inserting line audio to the mixer.

Application Example 2 : Overriding Local Speaker



In this example, audio to the speakers is powered from local amplifier.

In this setup, central paging shall power the local speakers, regardless whether the local amplifier is turned on or off. This shall be a preferred setup and useful for emergency paging.

It is important to consider the load of local speakers and provide adequate power rating of amplifiers at central rack.

Packing information

Carton size : 110 (L) x 85 (W) x 160 (H) mm
 Gross weight : 0.75 kg (including adaptor)
 1 unit per carton

