



PR7400 is a new addition to VC / VP category, which 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.

The available functions of the unit shall be :

**Relay :**  
NO and NC relay of 1A contact allows local BGM source overriding, 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

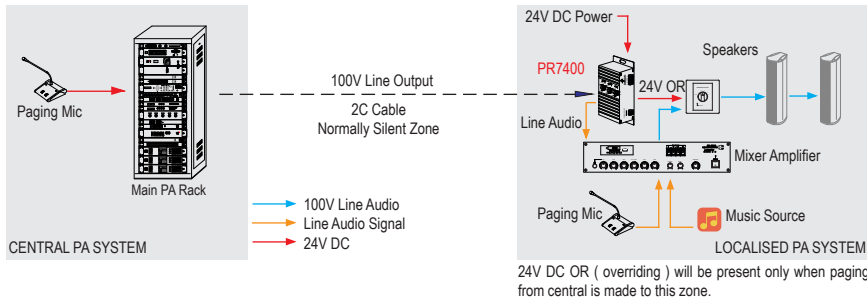
**Packing information**  
Qty per carton : 1 unit  
L x W x H : 110 x 85 x 160 mm  
Weight : 0.75 kg ( incl. adaptor )

**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	100mW @ 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 Schematic**

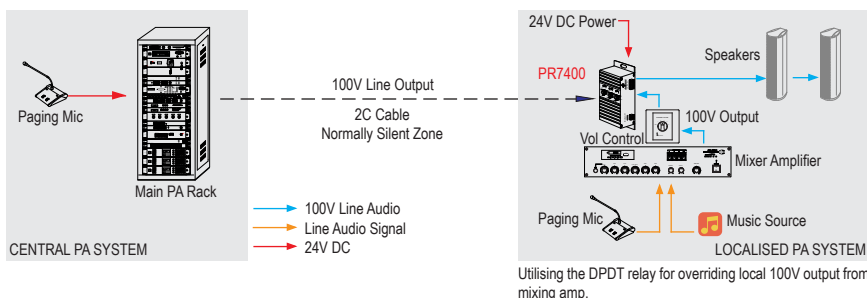
**Application Example 1 : Overriding Local BGM Source**



Certain zones, such as retail units, restaurants, theaters are normally free from normal paging of central system, and 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.