

interquartz

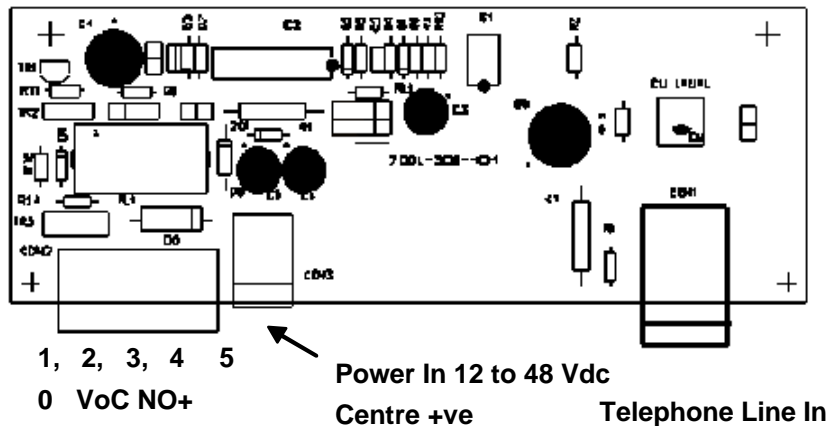
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The Dual Output Ring Detect Board with PABX High Voltage Detect Message Waiting- Ring Detect Relay Board Layout and Operation Description of Setup Parameters

PCB Viewed from Component Side removed from Case



Terminations	Description	Comment
1 0	Zero Volts Return	
2 Vo	Power FET Driver Return	Rated 12 to 48Vdc 1 Amp Negative Switching
3 C	Relay Contact1	Rated 12 to 48Vdc 1 Amp
4 NO	Relay Contact2	
5 +	Positive Feed	Power Input Voltage ie. 12 to 48Vdc Centre Positive. This is also the same voltage as what is switched by the FET when connected to a device and can also be used to LINK externally to the Relay Contacts and then onto an external Device with return of the Device to terminal 1 (Zero volts).

Link Defaults	Description	Comment
De lay Off	Time Delay	Prior to Operation of FET or Relay
FNF Follow	Follow / Not Follow	Follow Relay operation or Not Follow Relay Operation
RR On	Ring Relay In/Out	Relay In or Out of Circuit – For totally silent operation use the FET Driver only and disconnect the Output Relay from operating (clicking) making suitable for radio station studios, recording studios, theatres etc.
POTS On	Set for PABX or POTS	Set to handle HOLD between various ringing cadences
HOLD Off	Set to Hold Relay	Holds relay ON between ring cadences with delay upon release once call has been answered.
CW or MW Off	Set for Message Waiting	Detects PABX High Voltage Message Waiting Signal and triggers outputs accordingly.
FR NFR	Reverse FET/Relay OP	This reverses the relay and FET operations

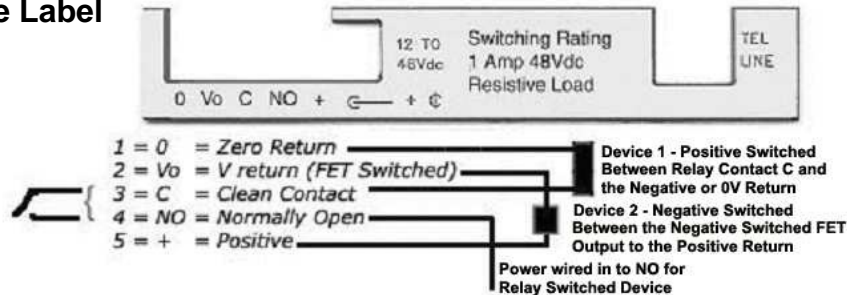
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Installation Guide Label



Additional Notes as required by Telecom Access Standards

1. Should the operation of this device on the same line as other telephones or other equipment with ringing detection create a problem, the user is not to contact Telecom Fault service as it is not a fault. It is only a mismatch of equipment on the line.
2. Even when the number of telephones or ring detect devices has been limited there is still no guarantee by the service provider that the different types of devices on the same line work. "This Ring Detection Unit may operate during pulse dialing. This is not a fault" it is simply a line condition that exists in some unusual instances.
3. Warning: Immediately disconnect any telephone device should the device become physically damaged or faulty and arrange for it's repair or disposal.
4. RN (Ringer Number) Due to the loading of the telephone line by each additional device the number of devices is restricted to a total of RN 5.0. Every Access Standards approved device has its own value. In most cases the standard line should provide enough power to drive 2 to 4 devices of such nature whose RN value does not add up to more than 5.0
5. "The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services."

Application Notes:

RD-LED121 Application

Yellow Lead – Positive wire to C OR
Red Lead – Positive wire to C
White Lead – Negative wire to 0 terminal
Wire Loop between +ve & NO terminals

Link Settings–

Default

RD-RSS0 1 Application

Strobe – Positive wire to +ve terminal
Sounder – Positive wire to NO terminal
Common – Negative wire Vo terminal
Wire Loop between +ve & C terminals

Link Settings ON–

NF, Hold, FR

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RD-RLY 01 Switching Unit

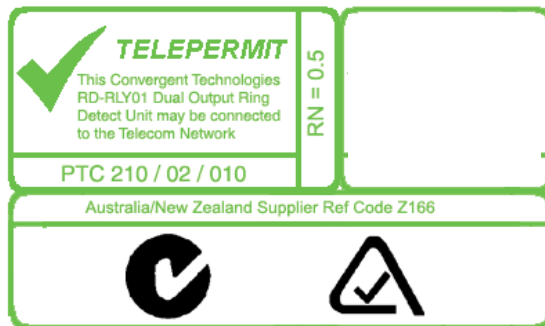
Application specific , please ask

Link Settings–

Hold – on (generally if strobe application)

Delay (if required by user)

Used for gate opening, Remote CPU Reset upon non answer, lift control output, etc.



Approvals for New Zealand and Australia

Supplier Code – Z166

Telepermit – PTC 210 / 02 / 010 RN = 0.5

WIRING NOTE:

3 Wire Connection between:-

Ring Detect Relay Unit and New Sounder / Strobe units

Sounder is switched by the relay. Strobe is switched by the FET output. Wiring:-

+ve strobe to **+ve** connections

-ve strobe to **Vo** (FET)

+ve Sounder to **C** (Common)

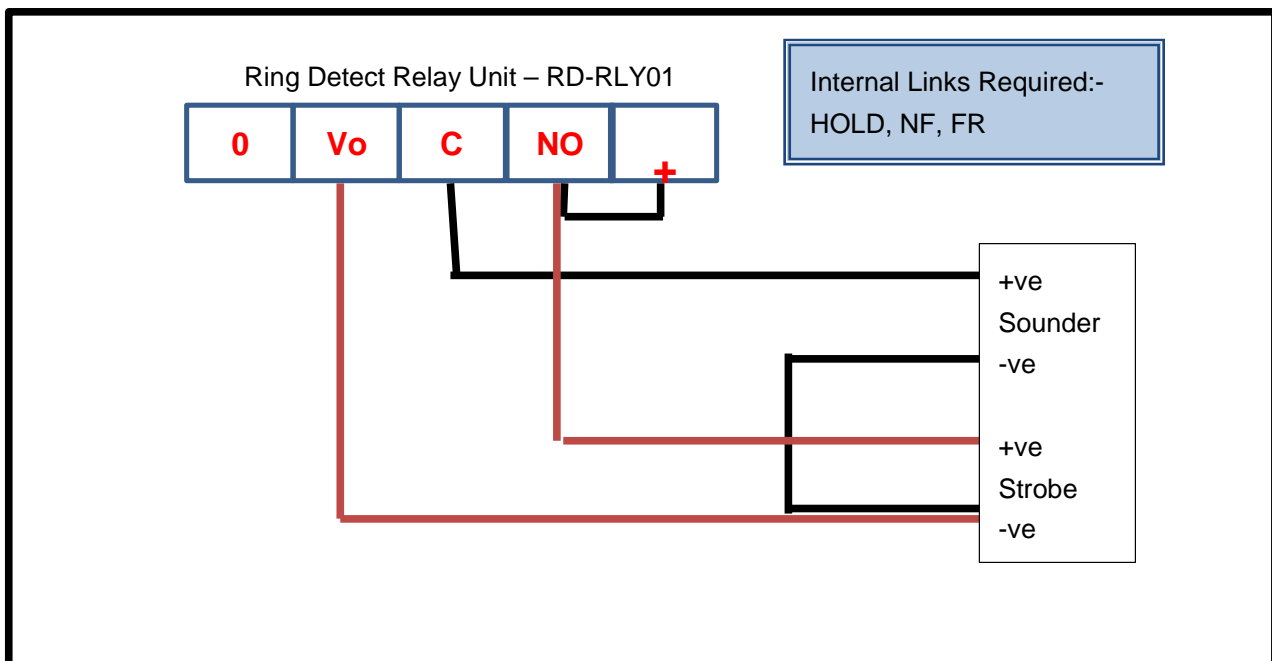
-ve Sounder to **-ve** Strobe (leave LINK in place on strobe)

Remove +ve to +ve link on strobe

(using Vo allows 3 wire connection)

(using O would require a 4th wire)

Link between +ve and NO



So under Strobe Unit:- Some sounder strobe units have external links joining the sounder and strobe together as one.

3 wire connection remove link between +ve strobe and +ve sounder.

4 wire connection remove both links