

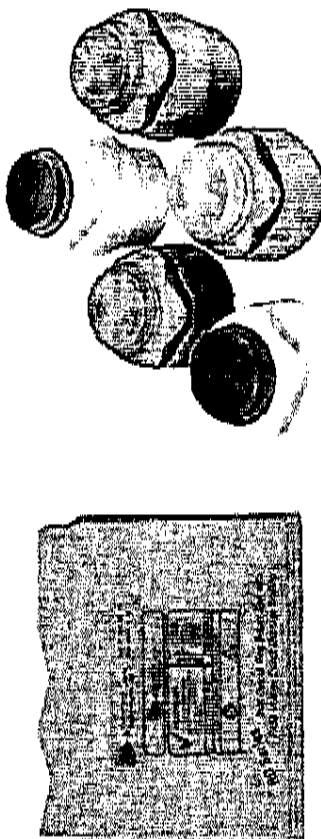
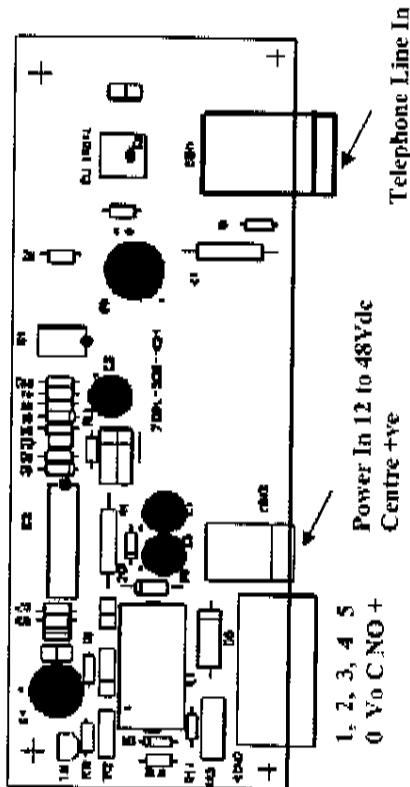


RD-RLY01

Ring Detect Relay Unit

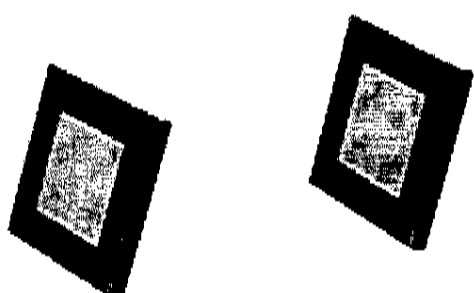
Features and Setup

PCB Viewed from Component Side removed from Case



<p>TELEPERMIT This Company's Technology RD-RLY01: Best Value, 70% Reduction in Power Consumption for all Applications</p>	<p>Manufactured in New Zealand for Cybertech Incorporated Ltd P.O. Box 18156 Auckland 10015 New Zealand www.cvttech.co.nz</p>
<p>PTC 210 / 02 / 010</p>	<p>Australia/New Zealand Supplier Ref Code Z166</p>

Approvals for New Zealand and Australia
Supplier Code - Z166
Telepermit - PTC 210 / 02 / 010 RN = 0.5



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Main Features:

1. Dual Outputs
2. Each Output Individually Programmable
3. Good Voltage Working Range 12V to 48Vdc Input
4. Excellent Ring Voltage Sensitivity 22V to 100Vac Ringing
5. Relay Switching Clean N.O. Contacts up to 48Vdc 1Amp Resistive Load
6. FET Switching up to ~48Vdc 1 Amp Resistive Load (switches a negative voltage)
7. Added PABX Message Waiting feature
8. Programmable Links (internal)
9. Drive virtually any external device to operate to Ringing or PABX Message Waiting.

Link	Be- fault	Description	Comment
Delay	Off	10sec Time Delay	Delay prior to first operation of Relay or FET
F-NF	Follow	Follow Ringing Clearance	Causes FET to Follow Relay or independently controlled
RR	ON	Ring Relay In-Out	Relay turned off FET only. This gives silent operation as required for hot lines in Radio & TV Stations etc.
POTS	ON	PABX or POTS setting	POTS and PABX have different Ring Cadences this allows the correct operation of the unit depending upon the service it is working on.
HOLD	Off	Hold Relay between Ring Cycles	Holds the Relay ON between the ring cadences so that the unit can be used on Strobes etc.
CW	Off	Set when PABX Message Waiting Relay is quired	Detects PABX 70Vdc Message Waiting Signal and triggers the outputs according to their programming.
FR-MFR	NFR	Relay/FET Reverse Operations	This reverses the Relay and FET operations.

Terminations	Description	Comment
1 0	Ground Return	Connect to "Ring" of Power Input i.e. Negative
2 Vo	-ve FET output	Rated 12 to 48Vdc 1 Amp Negative Switching
3 C	Common Relay Contact	Rated 12 to 48Vdc 1 Amp
4 NO	Normally Open Contact	
5 +	Positive Supply Feed	Power Input/Output 12 to 48Vdc Positive Connected to "Tip" of Power Input i.e. Positive
Power Socket	Power Socket	12 to 48Vdc Centre Positive

Additional Notes as required by Telecom Access Standards

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.

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.

Warning: Immediately disconnect any telephone device should the device become physically damaged or faulty and arrange for it's repair or disposal.

RN (Ring 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

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:	Settings
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	Default
RD-RSS01 Application: Strobe – Positive wire to C (common) terminal Strobe - Negative wire to 0 terminal Sounder – Negative Wire to Vo terminal Wire Loop between +ve & NO terminals	Cut Black Strap on Strobe/Sounder Unit RD Link Hold - ON
RD-RLY01 Switching Unit: Application specific, please ask	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.	

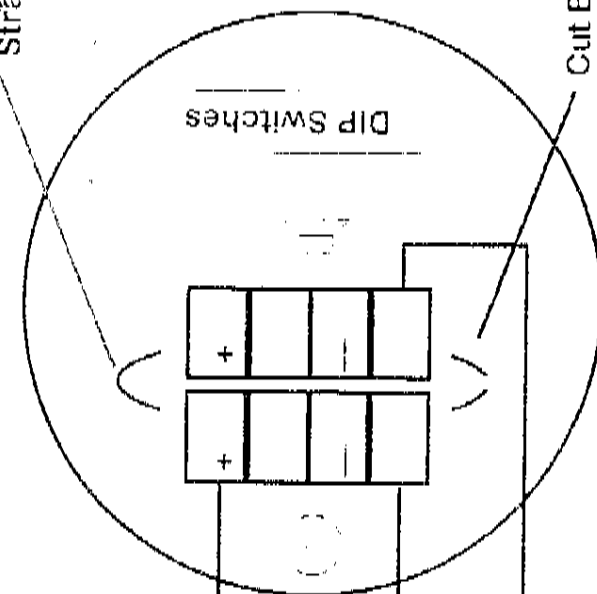
Inside the RD-RLY01 the following LINK has to be set

Hold

POTS On for PABX operation
Off for Telco Operation

STROBE SOUNDER UNIT

RD-RLY01
 Termination Strip



The unit is supplied with two terminals for each function so as to enable ease of daisy chain wiring

Power Supply requirements
 12Vdc to 24Vdc Positive Centre

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RD-RSS01-xNZ
Wiring Diagram
for any New Style
Double Terminal Set

Project Designer:	
Myles Russell	
Project Contact:	
Project #	W/C#
Date	Rev Date
20/01/2009	