

RD10

RINGING DETECTOR

models RD10R and RD10S



General

The RD10 is an internal ringing detector. It is compatible with the following AT&T/Lucent/Avaya sets:

- 4400 series
- 6400 series
- 8400 series
- 8500 series

When the RD10 detects ringing, the normally open output closes. The RD10 then follows the ringing, opening and closing the output in cadence with the ringing.

The output from the RD10 is a single pole, normally open (form “A”) contact. The output is directed to a 3.5mm mini-phone jack installed on the set.

The RD10R uses a relay for the output closure. The RD10S has a solid state device for the output, protected by a resettable fuse. The fuse will reset after the fault has been removed and does not need replacement.

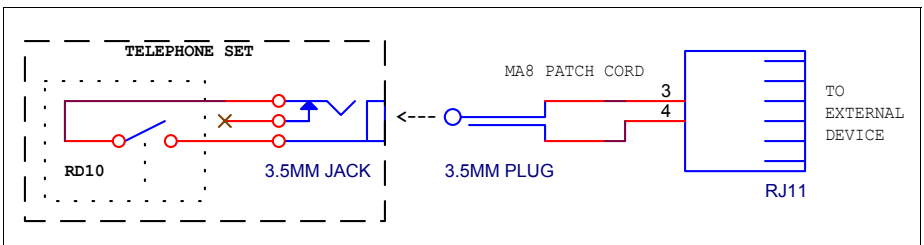
The RD10 must be factory installed.

Operation

The RD10 is always active when the set is plugged in. During speakerphone use, the RD10 is disabled. No user intervention is required.

Connections

One MA8 patch cord is supplied. Connect the end with the 3.5mm mini phone plug to the jack on the set. Connect the end with the RJ11 modular plug to the input of your external device, or a 103 type connecting block.



Settings

Jumper settings are shown below for verification and reference. It should never be necessary to change the jumper settings on the RD10. The jumpers determine which type of set the RD10 is installed in. Changing the settings may result in erratic operation or no operation.

SET	JP1	JP2
4400	A	B
6400	A	A
8400	A	A
8500	B	A

Specifications

GENERAL

size (internal) 2.15"L x 1.175"W x 0.5"H
voltage 5vdc, powered by the set.
current, solid state version 4.5mA maximum
current, relay version 32mA maximum
idle current 1.25mA typical
ringing detection time approx. 50ms

RD10S OUTPUT - SOLID STATE CONTACT

type single pole, normally open
capacity 60v, 100mA; fuse limited
on resistance 25 ohms, typical
fuse, resettable 60v, 100mA
reset time <20sec (after fault is removed)

RD10R OUTPUT - RELAY CONTACT

type single pole, normally open
capacity 0.5A 125vac, 1A 24vdc

ITEMS INCLUDED:

1ea. MA8 cable - 6ft. length. 3.5mm (1/8") mini phone plug to RJ11 modular plug, pair 1.



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