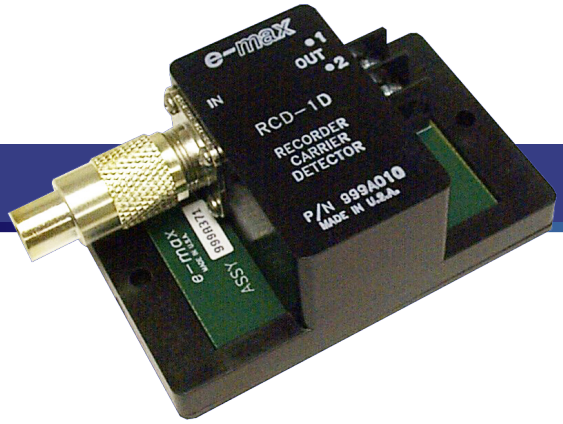


RCD

Recorder Carrier Detector

The RCD is a carrier signal demodulator for SCADA and Fault Data Recording.
The RCD demodulates the carrier to indicate the presence of a relative level of a signal. When connected the to the input of a fault recorder, certain characteristics can be verified. These characteristics include:

- Carrier drop-out
- Receipt of Keying
- Timing of Keying
- Blocking / unblocking signals

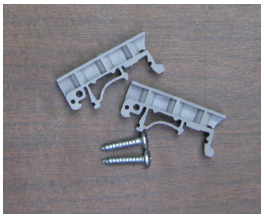
There are three models of the E-MAX RCD that deliver adjustable outputs. Each model features transformer isolated inputs and outputs. Installation is eased by the top mounted contacts. The case is constructed of rugged glass-coupled acetal copolymer.

Ordering Information

Part Number	Type	Rating
999A010	RCD-1	90 kHz to 500 kHz
999A011	RCD-1	20 kHz to 90 kHz
999A012	RCD-1	1 kHz to 20 kHz

Accessories

P/N 632A050 DIN Rail Mounting Kit - Snap-on / Snap/Off Rail Clips



Each kit contains two screws and two mounting clips.

Attach the clips to the relay
using the standard relay mounting holes and the included screws.

Snap the relay in place on the rail!

Ratings / Specifications

P/N 999A010
Recorder Carrier Detector

90—500 kHz
R3 set at mid range

Frequency Input	DC Voltage Output
5 kHz	15.15 mV
10 kHz	.13 V
20 kHz	.34 V
30 kHz	.49 V
40 kHz	.60 V
50 kHz	.67 V
60 kHz	.69 V
70 kHz	.71 V
80 kHz	.70 V
90 kHz	.69 V
100 kHz	.68 V
150 kHz	.58 V
200 kHz	.48 V
300 kHz	.38 V
350 kHz	.33 V
500 kHz	.19 V

P/N 999A011
Recorder Carrier Detector

20—90 kHz
R3 set at Maximum

Frequency Input	DC Voltage Output
20 kHz	.34 V
25 kHz	.42 V
30 kHz	.49 V
35 kHz	.56 V
40 kHz	.61 V
45 kHz	.65 V
50 kHz	.68 V
55 kHz	.69 V
60 kHz	.70 V
62 kHz	.71 V
63 kHz	.71 V
65 kHz	.72 V
69 kHz	.71 V
70 kHz	.71 V
71 kHz	.71 V
75 kHz	.71 V
80 kHz	.70 V
85 kHz	.69 V
90 kHz	.68 V

P/N 999A012
Recorder Carrier Detector

1—20 kHz
R3 set at Maximum

Frequency Input	DC Voltage Output
1 kHz	.42 V
5 kHz	.617 V
7 kHz	.626 V
8 kHz	.628 V
9 kHz	.629 V
10 kHz	.630 V
11 kHz	.631 V
12 kHz	.631V
13 kHz	.632 V
14 kHz	.632 V
15 kHz	.632 V
16 kHz	.631 V
17 kHz	.631 V
18 kHz	.631 V
19 kHz	.631 V
20 kHz	.630 V

Dimensions