



172-032-929  
 Issue A 10/11/1997  
 Sheet 1 of 3

Order Number

Serial Number

## PRODUCT/TEST MANUAL

**3A32K29**

**INTERTRIP SEND AND RECEIVE RELAY**

Issue Level	Date	Summary of changes
A	10/11/1997	Initial issue.

Due to RMS continuous product improvement policy this information is subject to change without notice.

Document updated	Checked	Registered	.pdf file created	.pdf uploaded to web site

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**1. ASSOCIATED DRAWINGS**

172-032-129 Wiring Diagram  
 This Product Test Manual is in reference to  
 Fax dated 23/09/97

**2. HIGH VOLTAGE TESTING**

- a) Apply 2KV RMS 50Hz between terminal Groups 1 and 2 in Table 1 for 1 minute.
- b) Apply three 5KV 1/50us pulses of each polarity between terminal Groups 1 and 2 in Table 1.

**TABLE 1**

<b>GROUP 1</b>	<b>GROUP 2</b>
All Terminals	Frame
9, 10, 11 & 12 joined	Other Terminals +E
9 & 10 joined	11 & 12 +E

**3. TEST PROCEDURE**

**3.1 SEND ELEMENT (SR)**

- a) PU volts 16 - 18 Volts DC  
 Drop out approximately 1 volts DC

Pickup Volts  Volts

- b) >300 ms delay on drop out at 110 V DC

mSec

**3.1 RECEIVE ELEMENT (RR)**

- a) Pick up < 18 Volts DC

Pickup Volts  Volts

- b) Operate time less than 80 ms at 24 V DC

mSec

- c) AC withstand at 240 V AC.

OK

NOTE: The receive element should not pick up under 240 volts when the voltage to the coil is increased slowly.

**4. GENERAL & FUNCTIONAL**

Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026.

**PASS**

TESTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_