



Order Number

Serial Number

PRODUCT / TEST MANUAL

3A200K14 DAAAA(2M2B)

PILOT RECEIVE RELAY

Issue Level	Date	Summary of changes
A	18/10/2005	Initial issue.

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

Author	Checked & Registered	.pdf file created	Released
ERL	DG	DG	



3. TEST EQUIPMENT REQUIRED

DC Auxiliary Supply
AC Variable Voltage & Frequency Source
HV Test Equipment

4. ASSOCIATED DRAWINGS

Wiring Diagram 172-200-114

5. HIGH VOLTAGE TESTING

Apply 2KV RMS for one minute between terminals groups 1 & 2 in Table 1.

Apply three 5KV ¹/₅₀ uS pulses of each polarity between the terminal groups 1 & 2 in Table 1.

TABLE 1	
<u>GROUP 1</u>	<u>GROUP 2</u>
27 & 28	17,19,18,20,21,23,22,24
All Terminals	Frame

6. TEST PROCEDURE

- a) Apply 300 volts AC to terminals 27 & 28, relay should not operate.
- b) Remove the AC voltage.
- c) Apply nominal voltage in series with a 2700-ohm resistor to 27 & 28, relay should now pick up. Adjust armature travel or spring tension to achieve pick up.
- d) Check operation of relay at specified minimum and maximum DC auxiliary.

Minimum 85% = 106VDC
Maximum 110%= 137VDC
- e) Check flag operates at minimum auxiliary voltage.

7. GENERAL & FUNCTIONAL

- a) Check that reset button resets the flag.
- b) Check that the relay is electrically sound and mechanically robust as per standard Inspection and Test Schedule 903-000-026.

PASS

TESTED BY: _____ DATE: _____

8. CONNECTION DIAGRAM

CASE EARTH

