

Order Number

Serial Number

PRODUCT TEST MANUAL

3A32K37

TRIP INDICATOR RELAY

Issue Level	Date	Summary of changes
B	28/09/1998	Initial issue.
C	10/01/00	Tfa Issue B Dwg reference was D32716C
D	22/01/02	Tfa Issue C Case was 2E
E	3/03/03	Tfa Issue D 20/02/03 Insulation test 2a added
F	16/09/10	Added insulation resistance testing of all units

Due to RMS continuous product improvement policy this information is subject to change without notice.
This document is uncontrolled and subject to copyright.

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

1. ASSOCIATED DRAWINGS

This Product Test Manual is in reference to
 TfA 175103 Issue F 08/09/09

2. INSULATION RESISTANCE CHECK

Check the insulation resistance at 500VDC for the following cases in Table 1. Note that the resistance shall be **no less than 100MΩ**.

Table 1

Group 1	Group 2
Coil	All other connections
Each contact set	All other connections
Across each open contact (latched and unlatched conditions)	

3. HIGH VOLTAGE TESTING

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

Table 2

Group 1	Group 2
Coil	All other connections and Frame
Each contact set	All other connections and Frame

4. TEST PROCEDURE

- a) Check coil resistance is 0.2 Ω +/- 5%.
- b) Operate current less than 0.5 Amps DC
 Release current is not critical but relay **must** drop out.

Pickup Current < 0.5 Amps **Check**

5. GENERAL & FUNCTIONAL

- a) Check that the relay is engraved with stockcode number 175103 and TI-3 (0.2) and label reads TRIP INDICATOR.
- b) Check that the relay is shockproof and that the flag reset mechanism operates correctly.
- c) Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026.

PASS

TESTED BY: _____ DATE: _____