

Order Number

Serial Number

PRODUCT TEST MANUAL

3A32K39

TRIP INDICATOR RELAY

Issue Level	Date	Summary of changes
B	28/09/1998	Initial issue.
C	10/01/00	Reference Dwg was D32716C, 1.2 was 0.2 ohm
D	24/10/01	TfA 175104 Issue C
E	3/03/03	TfA Issue D
F	16/09/10	Added insulation resistance testing of all units

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ERL	DG	DG	

1. ASSOCIATED DRAWINGS

This Product Test Manual is in reference to
 TfA 175104 Issue D 20/02/03

2. INSULATION RESISTANCE CHECK

Check the insulation resistance at 1000VDC for the following cases in Table 1. Note that the resistance shall be **no less than 50MΩ**.

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 50 Ω +/- 5%.
- b) Operate current 30 – 40 mA DC
 Release current is not critical but relay **must** drop out.

Pickup Current mA

5. GENERAL & FUNCTIONAL

- a) Check that the relay is engraved with stockcode number 175104 and label reads "TI-3 TRIP INDICATOR RELAY 50Ω".
- 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: _____