

Order Number

Serial Number

## PRODUCT TEST MANUAL

**3A32K38**

### TRIP INDICATOR RELAY

<b>Issue Level</b>	<b>Date</b>	<b>Summary of changes</b>
C	16/11/1999	Initial issue.
D	10/01/00	TfA number was B 8-11-99
E	26/10/01	TfA 175102 Issue D
F	7/08/06	TfA Issue E
G	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 175102 Issue E 01/08/2006

## 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 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

- Apply 2kV RMS 50Hz between terminal Groups 1 and 2 in Table 2 for 1 minute.
- 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

- Check coil resistance is 15 Ω +/- 5%.
- Operate current to be less than 60 mA DC  
 Release voltage is not critical but relay must drop out.

Pickup Current

mA

## 5. GENERAL & FUNCTIONAL

- Check that the relay is engraved with stockcode number 175102 and TI-3 (15) and label reads TRIP INDICATOR
- Check that the relay is shockproof and that the flag reset mechanism operates correctly.
- Check that the relay is electrically sound and mechanically robust as per Standard Inspection & Test Schedule 903-000-026.

**PASS**

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

DATE: \_\_\_\_\_