

Order Number

Serial Number

PRODUCT/TEST MANUAL

3A32K32

ITR INTERTRIP SEND AND RECEIVE RELAY

Issue Level	Date	Summary of changes
A	05/02/1998	Initial issue.
B	21/08/02	TfA was 62448

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	

1. ASSOCIATED DRAWINGS

172-032-132 Wiring Diagram
 This Product Test Manual is in reference to
 TfA 174490 Issue A 23/06/98
 Note : This relay is electrically identical to the 3A32K25 except it is in an FSD20 enc.

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

GROUP 1	GROUP 2
Terminal 5	Other Terminals +E
1& 3 joined	Other Terminals +E
10& 12 joined	Other Terminals +E
17 &19 joined	Other Terminals +E

3. TEST PROCEDURE

3.1 SEND ELEMENT (S)

- a) Check coil resistance is 200 Ω +/- 10%.

	Ω
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- b) Operate volts 8 Volts DC
 Non operate volts 5 volts DC

Pickup Volts		Volts
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- c) Check the time that the armature operated contacts are closed (across terminals 5 and 19) from when the coil is energised at 20 V DC and subsequently de-energised by its flag operated contact.

Timing greater than 140 ms at 20 V DC

	mSec
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3.1 RECEIVE ELEMENT (R)

- a) Check coil resistance is 200 Ω +/- 10%.

	Ω
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- b) Operate volts 9 Volts DC
 Non operate volts 5 volts DC

Pickup Volts		Volts
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3.1 RECEIVE ELEMENT (R) (Cont)

- c) Timing less than 70 ms at 20 V DC

mSec

- d) AC withstand 85 - 90 V AC.
NOTE The receive element should not pick up under 85 volts when the voltage to the coil is increased slowly.

OK

4. GENERAL & FUNCTIONAL

- a) Check that relay name plate is engraved

INTERTRIP RELAY
RECEIVE SEND

with "ITR" and the stockcode number SC174490

- b) Check that relay is shockproof and that the flag resetting 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: _____