

7SG17 Rho 3

Multifunction Protection Relays

Document Release History

This document is issue 2010/02. The list of revisions up to and including this issue is:

Pre release

2010/02	Document reformat due to rebrand

Software Revision History

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Table of Contents

Table of Contents	2
1. UNPACKING, STORAGE AND HANDLING.....	3
2 RECOMMENDED MOUNTING POSITION	3
3 RELAY DIMENSIONS	3
4 FIXINGS	3
4.2 Panel Fixing Screws	3
4.3 Communications	4
5 ANCILLARY EQUIPMENT	4

1. UNPACKING, STORAGE AND HANDLING

On receipt, remove the relay from the container in which it was received and inspect it for obvious damage. It is recommended that the relay is not removed from the case. To prevent the possible ingress of dirt, the sealed polythene bag should not be opened until the relay is to be used. If damage has been sustained a claim should immediately be made against the carrier, also inform Reyrolle Protection and the nearest Reyrolle agent. When not required for immediate use, the relay should be returned to its original carton and stored in a clean, dry place. The relay contains static sensitive devices, these devices are susceptible to damage due to static discharge and for this reason it is essential that the correct handling procedure is followed. The relay's electronic circuits are protected from damage by static discharge when the relay is housed in its case. When it has been withdrawn from the case, static handling procedures should be observed.

- Before removing the relay from its case the operator must first ensure that he is at the same potential as the relay by touching the case
- The relay must not be handled by any of the relay terminals on the rear of the chassis.
- Relays must be packed for transport in an antistatic container
- Ensure that anyone else handling the relays is at the same potential

As there are no user serviceable parts in the relay, then there should be no requirement to remove any modules from the chassis.

If any modules have been removed or tampered with, then the guarantee will be invalidated. Reyrolle Protection reserve the right to charge for any

2 RECOMMENDED MOUNTING POSITION

The relay uses a liquid display (LCD) which is used in programming and or operation. The LCD has a viewing angle of $\pm 70^\circ$ and is back lit. However, the best viewing position is at eye level, and this is particularly important when using the built-in instrumentation features.

The relay should be mounted on the circuit breaker or panel to allow the operator the best access to the relay functions.

3 RELAY DIMENSIONS

The relay is supplied in modular case range size 6 or 8. The larger case is used with RTD inputs. Diagrams are provided elsewhere in this manual.

4 FIXINGS

4.1 Crimps

Amp Pidg or Plasti Grip Funnel entry ring tongue.

Size	AMP Ref	Reyrolle Ref
0.25-1.6mm ²	342103	2106E11802
1.0-2.6mm ²	151758	2106E11264

4.2 Panel Fixing Screws

Kit - 2995G10046 comprising:

- g Screw M4 X10TT
2106F14010 - 4 off
- g Lock washes
2104F70040 - 4 off

- g Nut M4
2103F11040 - 4 off

4.3 Communications

9mm SMA fibre optic connections - 2 per relay (refer to section 4 - Communications Interface).

5 ANCILLARY EQUIPMENT

The relay can be interrogated locally or remotely by making connection to the fibre optic terminals on the rear of the relay. For local interrogation a portable PC with a fibre to RS232 modem is required. The PC must be capable of running Microsoft Windows Ver 3.1 or greater, and it must have a standard RS232 port in order to drive the modem. For remote communications more specialised equipment is required. See the section on communications for further information.