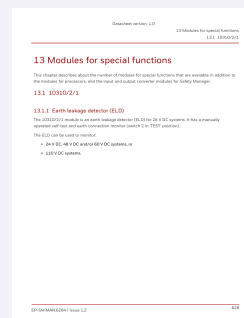


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Honeywell 10310/2/1
earth leakage detector



PRODUCT	10310/2/1
SYSTEM	Honeywell Safety Manager
FUNCTION	earth leakage detector
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Honeywell Safety Manager 10310/2/1 official module manual. This quick guide supplements the complete manufacturer documentation, controlled site procedure and safety requirements.

01 CONFIRM THE ORDERED CONFIGURATION

MONITORED SYSTEMS	24, 48, 60 or 110 V DC
MODULE SUPPLY	24 V DC, 30 V DC maximum
SUPPLY CURRENT	60 mA maximum
EARTH VOLTAGE	-12 V DC normal
FAULT THRESHOLD	-30 to +125 V DC
RELAY LOAD	100 W or 1000 VA

02 PREPARATION AND CONNECTION

- Confirm the complete 10310/2/1 identity and keyed Safety Manager rack position.
- Isolate the module supply and all monitored DC systems before handling the module.
- Record switch positions, reset wiring, relay contacts and the selected earth connection.
- Match Rst24 or Rst110 wiring to the documented monitored-system voltage.
- Inspect the keyed connector and pin allocation before inserting the module.

03

BLOCK DIAGRAM AND PIN ALLOCATION

Official manufacturer drawings reproduced from Honeywell Safety Manager 10310/2/1 official module manual. Match the complete model and controlled system configuration before applying any connection or setting.

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13 Modules for special functions
13.1 10310/2/1

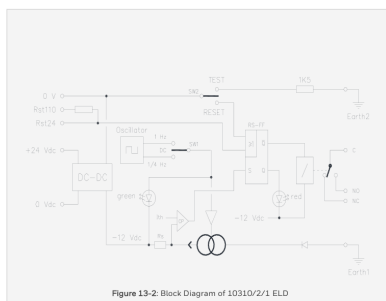


Figure 13-2: Block Diagram of 10310/2/1 ELD

An earth fault sets the flip-flop (FF), and de-energizes the relay. The flip-flop remains set until a reset is given. This can be done in three ways:

- Manually (by setting switch 2 to 'RESET' position), or
- By a high level at the Rst24 input, or
- By a high level at the Rst110 input.

The ELD module can be tested by connecting a 1.5 kOhm resistor between 0 V and earth. This should set the flip-flop. A 1.5 kOhm resistor in the ELD with its own connection to earth (on the Earth2 pin) allows testing of the ELD and the earth connection (switch 2 in 'TEST' position). A disconnected Earth1-to-Earth2 link will block the flip-flop set action (because no earth current is flowing).

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Figure 13-5: Back view and pin allocation of the 10310/2/1 module connector

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04

EARTH-FAULT CONNECTION AND RESET

- Connect the earth reference and monitored supply exactly as shown in the official block diagram.
- Select continuous or interrupted earth connection only for the approved site arrangement.
- Wire manual, external or cyclic reset using the documented reset input and voltage range.
- Confirm relay contact loading remains within 100 W or 1000 VA and 2 A maximum.
- Use the official single-earth or multiple-earth connection arrangement for the installed system.

05

INITIAL SYSTEM CHECKS

- Restore the 24 V DC module supply and the monitored DC system in the approved sequence.
- Confirm the normal earth reference before applying a controlled earth-fault test.
- Verify relay de-energization, fault latching and the selected reset method.
- Record switch positions, monitored voltage and final functional-test result.

06

CONTROLLED DOCUMENTS

Official source	Honeywell Safety Manager 10310/2/1 official module manual
Product record	10310/2/1
Manufacturer	Honeywell
Support	INFO@AMIKON.CN