10310/2/1

Safety Manager Earth Leakage Detector

CONTROLLED ENGINEERING COPY

Honeywell 10310/2/1 is an earth leakage detector for Safety Manager DC systems. It provides a manual self-test and earth-connection monitoring for documented 24, 48, 60 or 110 V DC installations.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	10310/2/1
Manufacturer	Honeywell
System family	Honeywell Safety Manager special-function modules
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

1 2 3 4 5

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01 PRE-INSTALLATION PLAN

1. Confirm the complete 10310/2/1 marking and controlled maintenance record before work.
2. Place the documented Honeywell Safety Manager DC power system and associated machine or process in the approved maintenance state.
3. Isolate the documented power, signal and protection circuits before disconnecting 10310/2/1.
4. Record the installed position, monitored DC supply, earth connection, test switch and alarm path, polarity, shielding and grounding.
5. Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.

MATCHED HARDWARE

- 10310/2/1 with complete identity
- documented Honeywell Safety Manager DC power system
- monitored DC supply, earth connection, test switch and alarm path
- Controlled commissioning and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	10310/2/1 recorded
Physical interface	Probe, cable and sensor matched
Functional proof	Static gap and dynamic response

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module	10310/2/1
Function	Earth leakage detector
Primary system	24 V DC
Additional monitored systems	48 V DC, 60 V DC or 110 V DC
Self-test	Manual TEST position
Earth monitor	Earth connection monitor
Country of origin	USA
HS code	8537101190

FIELD NOTE

Confirm 10310/2/1, documented Honeywell Safety Manager DC power system, monitored DC supply, earth connection, test switch and alarm path, installed position, polarity, shielding, grounding, configuration, diagnostics and controlled functional-test evidence before commissioning.

RELATED APTER POWER PAGES

330104-00-15-50-12-00 330172-08-12-50-02-00 330174-00-08-50-02-05 330232-01-10-12-00

148722-01 330851-01-00-20-10-00-00 330851-02-010-140-10-00-05 330195-02-12-50-05

03 COMMISSIONING WORKFLOW

1. Confirm the complete 10310/2/1 marking and controlled maintenance record before work.
2. Place the documented Honeywell Safety Manager DC power system and associated machine or process in the approved maintenance state.
3. Isolate the documented power, signal and protection circuits before disconnecting 10310/2/1.
4. Record the installed position, monitored DC supply, earth connection, test switch and alarm path, polarity, shielding and grounding.
5. Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.
6. Restore the exact documented Honeywell Safety Manager DC power system configuration, channel assignments and mechanical arrangement.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	10310/2/1
Physical interface	monitored DC supply, earth connection, test switch and alarm path matched
Configuration	Exact installed configuration and assignments restored
Functional proof	Controlled dc earth-leakage detection and earth-connection monitoring response recorded

04 RETURN-TO-SERVICE RECORD

- [ ] Protect connectors, terminals, cable routing and mounting surfaces from damage or contamination.
- [ ] Restore the exact documented Honeywell Safety Manager DC power system configuration, channel assignments and mechanical arrangement.
- [ ] Review live diagnostics, bias, trip or channel status after controlled energization.
- [ ] Verify the intended dc earth-leakage detection and earth-connection monitoring response and retain acceptance evidence before release.

VERIFICATION RECORD

PRODUCT IDENTITY	10310/2/1
INSTALLED POSITION	Documented documented Honeywell Safety Manager DC power system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- [ ] Confirm the exact model remains assigned to the documented host position.
- [ ] Verify every mating interface and field connection against the as-found record.
- [ ] Exercise the intended product function under controlled conditions.
- [ ] Retain the diagnostic and functional-test result before release.

SOURCE IDENTIFIERS

Safety Manager Hardware Reference | Honeywell EP-SM.MAN.6284 Issue 1.2