Honeywell Honeywell Series Service Manual

10310/2/1

1. Description

Manufacturer : Honeywell

3. Product Information

www.autronexa.com

Manufacturer : Honeywell

Product No. : 10310/2/1

Product Type : EARTH LEAKAGE DETECTOR (ELD)

1 AMP

24 V DC

115 V

EARTH LEAKAGE DETECTOR (ELD)

DIGITAL OUTPUT MODULE

1 AMP

24 VDC

115 V

MADA IN USA

Earth leakage detector (ELD)

The 10310/2/1 module is an earth leakage detector (ELD) for 24 V DC systems. It has a manually operated self-test and earth connection monitor (switch 2 in 'TEST' position).

The ELD can be used to monitor:

I 24 V DC, 48 V DC and/or 60 V DC systems, or

I 110 V DC systems.

The ELD module connects earth level with -12 V DC (referenced to the 0 V connection of the 24, 48, 60 and/or 110 V DC supply). This connection is:

I Continuous (switch 1 in 'DC' position), or

I Interrupting at 1 Hz (switch 1 in '1 Hz' position), or

I Interrupting at 0.25 Hz (switch 1 in '1/4 Hz' position).

With switch 1 in the '1 Hz' or '1/4 Hz' position, the green 'MODE' LED on the module front flashes at the selected connection frequency.

Switch 1 is normally used in the 'DC' position.

The '1 Hz' position should only be used to accommodate for solenoids or relays that could stay energized by the negative earth voltage. The '1/4 Hz' position can be used for locating earth faults. Locating earth faults requires a current clamp (e.g. the DCM300E digital clamp from AVO International).

General Type number:

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Approvals:

10310/2/1 10800

CE, UL

Power Supply voltage: 24 V DC (max. 30 V DC)

Supply current: max. 60 mA

Rst24 input voltage: 18...70 V DC

Rst110 input voltage: 40...130 V DC

Rst24 input current: 1.1 mA at 24 V DC

Rst110 input current: 2.5 mA at 110 V DC

Earth Earth voltage: -12 V DC (no earth fault)

Earth fault threshold: -30...+125 V DC (earth fault)

Max. earth current: 5.5 mA (± 1 mA)

25.0 mA (± 5 mA)

Output contact Max. output voltage:

Max. output current:

115 V DC

2 A

Relay contacts Initial contact resistance:

Max. current:

Max. switched voltage:

Max. switched load:

30 mOhm

5A

250 V DC / 250 V AC

100 W / 1000 VA

Expected life:

I Electrical

I Mechanical

100,000 switch operations

200,000,000 switch operations

Key coding (See ‘Key coding’ data sheet)

Module code:

I Holes A5, A11

Rack code:

I Large pins A5, A11

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