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Agilent Technologies

Innovating the HP Way

Watchdog Timer SCP HP E1535A



Technical Specifications

- Four algorithm controllable SPST relays
- 12 ms, 120 ms, 1.2 s, and 12 s alarm timer settings
- Use for process control alarms



HP E1535A

Description

The HP E1535A Watchdog Timer SCP provides alarm signals in the event of a user defined control failure. The HP E1535A and the use of HP E1415A or HP E1419A Algorithm Language to control its four SPST relays can be used to signal various levels of process control alarms. Functions include a watchdog timer (must be reset at intervals by an algorithm), jumpers to set different maximum reset or time-out periods for the timer, an I/O disconnect input signal, and a jumper to enable/disable the I/O disconnect signal.

Use the HP E1535A with the following VXI modules:

Model	Description
HP E1415A	Algorithmic Closed Loop Controller
HP E1419A	Multifunction Measurement and Control Module

Refer to the HP Website for recent product updates, if applicable.

Product Specifications

Maximum I/O Disconnect Voltage

Applied to input terminal:

Operating: < ± 5 V peak

Relay Characteristics

Relay switching current: 0.5 A

Relay switching voltage: 60 Vdc, 42 Vac

Contact power rating: 10 W max.

Contact resistance: 0.2 Ω

Relay life:

1 V @ 10 mA: 100E6 operations (reduced life if signal higher than 1 V @ 10 mA)

Input Characteristics for I/O Disconnect

Minimum true level: 2 V

Maximum false level: 0.8 V

Transition delay time: 1 ms

Current Requirements (Amps)

5 V max	24 V max	-24 V max
0.058	0	0

Ordering Information

Description	Product No.
Watchdog Timer SCP	HP E1535A

Related Literature

1998 Test System and VXI Products Data Book,
HP Pub. No. 5966-2812E

1999 Test System and VXI Products Catalog,
HP Pub. No. 5968-3698

Warranty

Standard Hewlett-Packard VXIbus hardware products are warranted against defects in materials and workmanship for a period of three years unless otherwise noted. HP software and firmware products that are designated by HP for use with a hardware product, when properly installed on that hardware product, are warranted not to fail to execute their programming instructions due to defects in materials and workmanship.

For a complete and detailed warranty statement please see the HP *Test System and VXI Products Data Book* or visit the HP Website at <http://www.hp.com/go/vxi>.

Website Directory

HP VXI Product Information
<http://www.hp.com/go/vxi>

HP VXI Channel Partners
<http://www.hp.com/go/vxichanpart>

HP VEE Application Website
<http://www.hp.com/go/hpvee>

Data Acquisition and Control Website
http://www.hp.com/go/data_acq

HP Instrument Driver Downloads
http://www.hp.com/go/inst_drivers

Electronics Manufacturing Test Solutions
<http://www.hp.com/go/manufacturing>

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Test and Measurement Call Center
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1 800 452 4844

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Hewlett-Packard Canada Ltd.
5150 Spectrum Way
Mississauga, Ontario L4W 5G1
(905) 206 4725

Europe:

Hewlett-Packard
European Marketing Centre
P.O. Box 999
1180 AZ Amstelveen
The Netherlands
(31 20) 547 9900

Japan:

Hewlett-Packard Japan Ltd.
Measurement Assistance Center
9-1, Takakura-Cho, Hachioji-Shi,
Tokyo 192, Japan
Tel: (81) 426 56 7832
Fax: (81) 426 56 7840

Latin America:

Hewlett-Packard
Latin American Region Headquarters
5200 Blue Lagoon Drive, 9th Floor
Miami, Florida 33126
U.S.A.
Tel: (305) 267-4245
(305) 267-4220
Fax: (305) 267-4288

Australia/New Zealand:

Hewlett-Packard Australia Ltd.
31-41 Joseph Street
Blackburn, Victoria 3130
Australia
1 800 629 485

Asia Pacific:

Hewlett-Packard Asia Pacific Ltd.
17-21/F Shell Tower, Times Square,
1 Matheson Street, Causeway Bay,
Hong Kong
Tel: (852) 2599 7777
Fax: (852) 2506 9285

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