Watchdog 1400 / Watchdog 1400-P

Web-based climate monitor with output relays, digital sensor support and expanded analog input capabilities.

- Accessible through a web browser
- Three output relays to control external devices
- Built-in temperature sensor
- Six analog inputs for 0-5 VDC sensors
- Four digital sensor ports for external digital-bus sensors
- LCD display cycles through sensor readings
- Multi-level alarms with escalation
- Alarm notifications sent by email and SNMP
- Audible horn triggered by alarm

The Watchdog 1400 combines climate monitoring with remote relay control. Its output relays can be triggered manually, or tied to specific alarm settings. Includes a built-in temperature sensor and six analog inputs. Also available in a Power-over-Ethernet version (Watchdog 1400-P), allowing the unit to be powered via the network cable or with the supplied 6 VDC power supply. Supports up to 16 remote digital sensors and a total cable length up to 600 feet. Configure alarms to get alerts by email or SNMP. Access to data logs and graphs through a simple web interface, provided by a browser (Firefox, IE).

Output Relays
Output relays allow the Watchdog 1400 to control and signal external low-voltage devices. Applications would include:

- Trigger an autodialer to alert personnel by phone
- Send a signal to a building-security system
- Control a larger relay to power external equipment
- Trigger an A/C unit with dry-contact inputs
- Activate a remote warning light or buzzer

Web Interface
The web interface is the primary way to interact with the Watchdog 1400. This allows a user to remotely check the status of the environment, view graphs and webcam images and update the firmware. Manual relay controls are also provided.

The Watchdog 1400 is configured and administrated through the web interface. Access is user-name and password protected. HTTPS/SSL encryption can be used for added security.
In response to user-defined alarm states, the Watchdog 1400 can energize output relays, send alerts by email or SNMP, and trigger the buzzer.

Web Interface: Alarms Page

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Check relay status and turn relays on or off through the Control Page.

†† operating range of standard 6V power supply is 0-50°C. Operation across wider range requires using PoE, or an alternative 6V power supply with extended temperature range.