### IP WatchDog2 Industrial

**Detects outages or unresponsiveness of LAN devices. Monitors device availability over IP (PING/WEB) or serial line (RS-232). Upon outage, restarts the device without human intervention. Up to 10 devices can be monitored.**

IP WatchDog2 periodically checks if the devices work (by transmitting or receiving an “I'm alive and OK” signal over IP or RS-232). If the correct reply is not received in time, the device is restarted with a relay. Everything is automatic, without additional software or human intervention.

IP WatchDog2 Industrial monitors the availability of up to 10 devices. When an outage is detected, WatchDog2 reacts by power-cycling or restarting the device using two output channels (relays).

The method of monitoring the device can be configured to a great extent. The second generation adds 8 virtual inputs, larger event log, SNMP interface, ability to send text messages (SMS) and support for the SensDesk.com online portal.

The industrial version of IP WatchDog2 includes a serial port for monitoring the functioning of machinery or connecting a GSM modem.

Typical applications include monitoring the availability of up to 10 network devices (router, switch, WiFi AP), restarting them and/or indicating a failure whenever detected. IP WatchDog2 can be used to detect an unresponsive machine (RS-232), LAN connection, IP camera or another network device.

Industrial applications can benefit from DIN rail mount and ouptut relays that can directly switch 110/230VAC, max. 16A.

* **Ethernet**: 10/100 Mbit/s
* **WEB:** Built-in web server, manual reset and output control
* **Availability monitoring:** 10devices (2 outputs for response)
* **Five methods of detecting availability:** 
  + **Ping Out**: IP WatchDog2 periodically sends PING requests
  + **Ping In**: IP WatchDog2 waits for a PING from the monitored device
  + **Web client:** IP WatchDog2 monitors the accessibility of a web page
  + **Web server**: IP WatchDog2 waits for a request for its internal WEB page
  + **RS232 Rx**: IP WatchDog2 waits for a sequence of characters in the RS-232 data stream
* **Channel output:** DO relay output (NO/NC, **230V/16A** AC)
* **Sound output**: Yes (internal)
* **Data logger:** 200 records
* **Power supply**: 9-30V DC
* **Operating temperature**: -30°C to +75°C (-22°F to +185°F)
* **Mechanical**: 145 x 90 x 45 [mm] (wall-mountable, fits on a DIN rail)
* **Reaction to detected outage:** Email, SNMP trap, HWg-Push, relay contact, sound output
* **Text messages (SMS)**: Alarms can be sent as text messages (SMS)
* **Locally sent SMS**: RS-232 port can be used to connect a GSM modem
* **M2M communication protocols**: SNMP, XML, Modbus/TCP, HWg-Push
* **Support for programmers**: HWg-SDK
* **Online demo:** [http://ipwatchdog.hwg.cz](http://ipwatchdog.hwg.cz/cgi-bin/index.cgi)
* **Online portal:** SensDesk.com (remote monitoring of several devices/sensors free of charge over the Web, can be connected to a mobile app).
* **Supported** **software**
  + **HWg-Trigger**: Alert redirection to SMS, pop-up messages, PC shutdown...
  + **Third-party SNMP software**

**Keywords EN:**

IP Watchdog2 Industrial, ping relay, remote power switch, power relay 230V, remote reboot, rs-232 watchdog, device monitor, [ping restarter](http://www.google.com/search?q=ping%20restarter), ping monitoring, [network watchdog](http://www.google.com/search?q=network%20watchdog), relay 110V, web watchdog, [IP address restart](http://www.google.com/search?q=ip%20address%20monitoring),

Web relay, ping monitor, [network watchdog](http://www.google.com/search?q=network%20watchdog), SensDesk portal, SNMP, SNMP trap, SMS alert, IP watchdog, internet monitor, IP camera monitor, remote reset, [IP address monitoring](http://www.google.com/search?q=ip%20address%20monitoring), [ping heartbeat](http://www.google.com/search?q=PING%20heartbeat), ping power, network monitoring relay, ping [automatically reboot](http://www.google.com/search?q=automatically%20restart), [ping boot](http://www.google.com/search?q=ping%20boot), autonomous restart, network connectivity monitoring device, ping server monitoring