

IP WatchDog HWg-WR02a

Monitors the functionality of a device over IP (PING / WEB) or serial line (RS-232), automatically restarts it upon failure. Two independent channels, industrial model.

IP WatchDog WR02a periodically monitors the functionality of a device by transmitting or receiving a specified “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.

HWg-WR02a can monitor two devices (two independent channels, two 110/230VAC relays).

IP WatchDog allows flexible configuration method of functionality detection, switch-off time when restarting.



- **Autonomous product:** Functionality monitoring
- 2 independent channels for monitoring the functionality (two 230VAC relays)
- **5 methods of monitoring:** PING Request/Push, Web Request/Push, RS-232 data

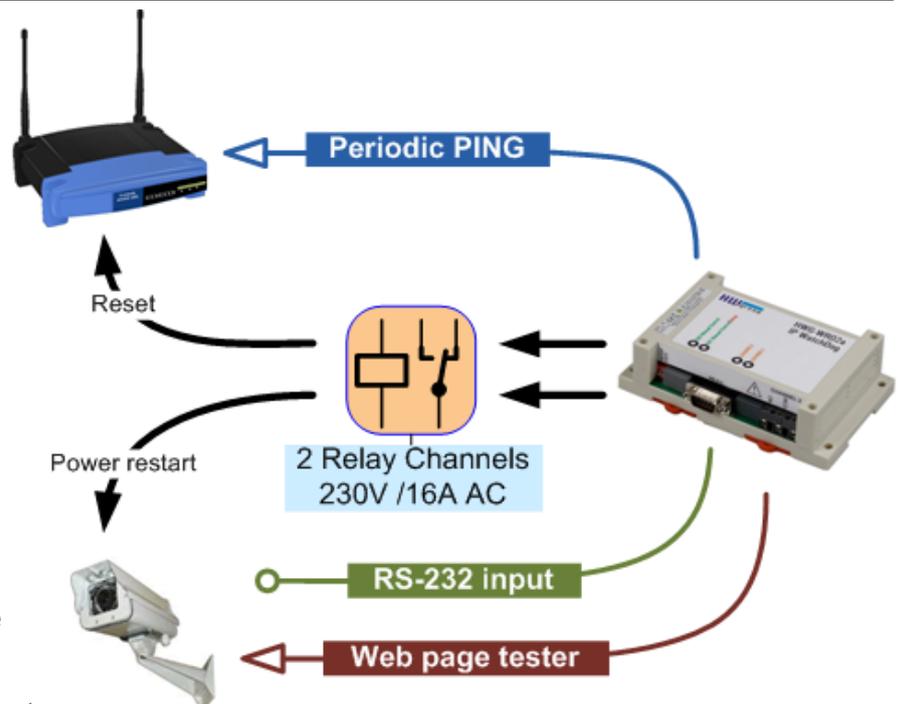
Application examples

- **Operation monitoring / restart**

- ✓ Servers / routers
- ✓ IP video cameras
- ✓ WiFi links / access points
- ✓ Industrial systems

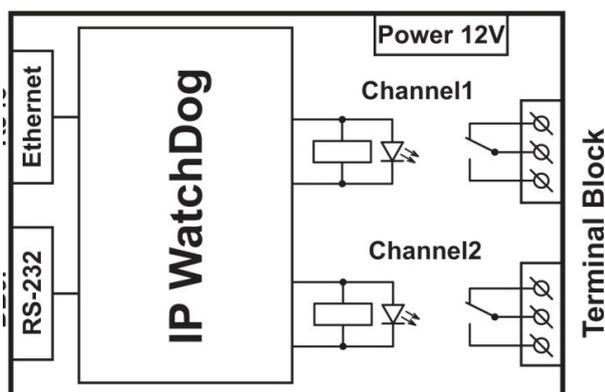
- **Connectivity monitoring**

- ✓ Activation of a back-up link
- ✓ Detection of connectivity outage (relay >> horn)
- ✓ Monitoring of ADSL and cable modems
- ✓ Security and access control systems

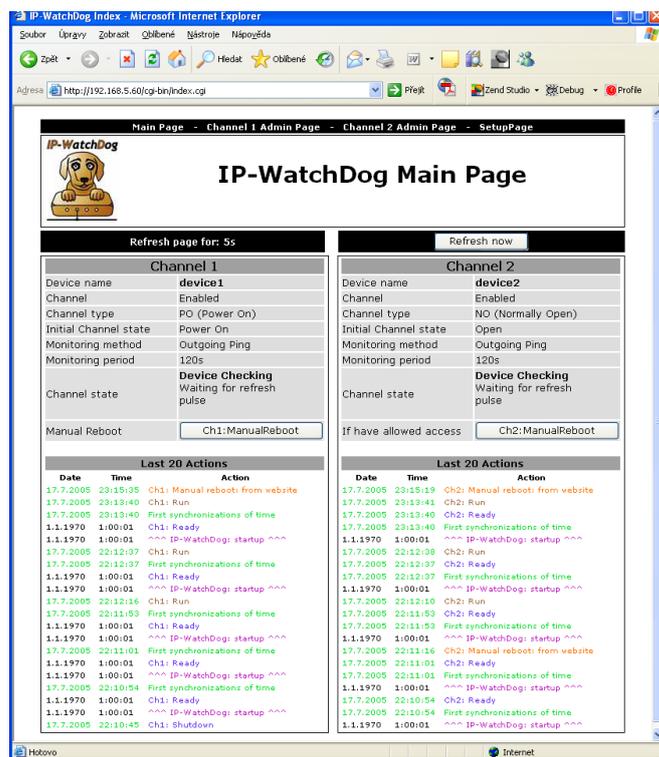


Basic features

- **Ethernet:** RJ45 (10BASE-T)
- **WEB:** Built-in web server, manual reset and output control, logging
- **Functions:** Two channels, independent per-channel monitoring
- **Channel output:** Relay output (NO/NC 230V/16A AC)
- **Methods of detecting functionality per channel:**
 - 1) **Ping Push:** IP WatchDog periodically sends PING requests
 - 2) **Ping Request:** IP WatchDog waits for a PING from a specified IP address
 - 3) **Web Push:** IP WatchDog periodically checks the availability of a given web page (web server)
 - 4) **Web Request:** IP WatchDog waits for a request for its internal WEB page
 - 5) **RS232 Rx:** IP WatchDog waits for a sequence of characters in the RS-232 data stream
- **Log & Time:** Automatic time sync over NTP (TIME), event logging
- **Installation:** Installation in 10 minutes, no software is necessary
- **Dimensions:** 145x90x45 [mm]
- **Tip:** Outputs can be turned on/off manually over the web interface



IP WatchDog Lite



Ordering codes

600 445	IP WatchDog HWg-WR02a set	Quick start set with an AC adapter, RS-232 cable, etc.
600 348	IP WatchDog HWg-WR02a	IP WatchDog WR02a unit and a printed manual
600 218	IP WatchDog Lite	WatchDog Lite quick start set with an AC adapter, CD, etc...
600 217	IP WatchDog Lite plain	IP WatchDog Lite unit (only 50VDC relay outputs, PING only)