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MANUAL



The **ping watchdog** is great for units that are difficult to physically access and is used to reset unresponsive or “hanging” Ethernet equipment, the unit is installed on site with the equipment that might need a reboot.

The unit will send an ICMP request “ping” to the user programmed IP address unit and will temporary break the power supply to the unit in order to reboot the device in case there is no reply on the ping command.

The user can specify the IP address to ping, the amount of time to wait at power on to give equipment time to boot up, the time intervals between ping commands as well as the amount of timeouts that needs to happen before the “Ping Watchdog” will energize its relay to disconnect the power to the unresponsive Ethernet device.

The ping watchdog functions on 12V to 24V DC, with one isolated relay output – user can switch **DC** or **AC** power via the relay to the unit that needs to be watched.

A blue led next to the relay connection terminal will flash every time the user programmed IP address to ping can be reached to indicate a successful ping (ICMP) command.

The Mi ping watchdog unit can ping one IP address and have one isolated relay output to reset the equipment monitored.

Web interface pages:

Home Page

The Stack version and Serial number of the units is displayed

Relay Status on/off, module heartbeat and supply voltage displayed on the Home page

Relay Control Page

User name: admin

Password: admin / user can change Password under Network settings page

The user can manual force a reboot on the equipment by "Toggle" the relay in the relay control page

The relay will energise for 10 sec and then return to the off position again automatically.

Network configuration and settings page:

Network Configuration

CAUTION: Incorrect settings may cause the unit to lose network connectivity.

MAC Address: 00:19:F6:00:1D:A7

Host Name: PING WHATCHDOG

Configure IP address to ping and timers:

IP address to ping: 192.168.0.1

Wait time from reboot to start ping commands (30-255sec): 30

Ping Intervals (1-255sec): 10

Amount of Timeouts (1-50): 3

Configure Unit Network settings:

Password: [max 10] admin

Unit IP: 192.168.0.50

Gateway: 192.168.0.1

Subnet Mask: 255.255.255.0

Save Config/Reboot

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User must enter the “IP address to ping” IP address

Wait time from startup = the amount of time in seconds the unit should wait from power on condition before sending a Ping command to the monitored device in order to give the device time to boot up.

Ping intervals = the amount of time in seconds between ping commands to the unit monitored.

Amount of timeouts: Amount of times the ping command should fail in a row before the relay is activated.

Password: admin or user configured new password

Unit IP, gateway and subnet is the network settings for the Ethernet port of the Ping watchdog unit .

After the settings are completed click the “save/reboot” button, the Ping watchdog unit will reboot with the newly configured settings.

Master Reset the unit:

Disconnect power supply to the unit, Insert jumper J10 across both pins, power the unit, wait 15sec then remove the jumper, the unit will now be reachable on 192.168.1.2 default address.

Physical

L=80mm – W = 70mm – H = 30mm

Power supply: 12-24VDC @50milli-amp without relay energised

Relay output: Common, normally open and normally closed contact available – isolated potential free relay output

Relay rated: 10Amp at 125Vac