RS232 WATCHDOG
Watching device with RS-232 interface
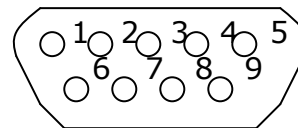
MODEL:	RS232 WATCHDOG
Interface :	RS-232
Input :	1x 230VAC, 1xRS-232
Output:	1X 230VAC
Max load 230V AC:	10 A **(resistance)**
Switch:	Relay
Control buttons:	None
Operating temp:	0° ... 50° C
Storage temp:	-20° ... -70° C
Indicators:	1x duecolor LED

Inner connection

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RS232 interface

1 2 3 4 5
6 7 8 9
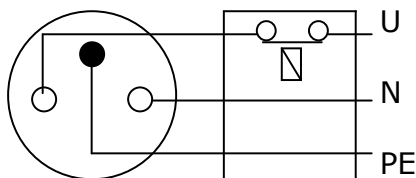
2 - TX, 3 - RX, 5 - GND

Brief description:

After switch ON is LED indicator flashing RED and GREEN. Received data are indicated by short LED black out. After 5 minutes LED change light to GREEN or RED, due to output socket status (RED – OFF, GREEN – ON) and indicator is in standby mode. If there is no message in 2 minutes (printable characters for example from terminal), output socket is restarted (turned OFF and ON again after 10 sec).

On Linux (or UNIX like systems) you can simply send character like this: **echo A > /dev/ttyS0** - send A character to COM 1. Automatic sending can be done by Cron, watch command or shell script. **RS232 Settings:** 9600 Baud, bits 8, NO parity, stop bits 1,   NO flow control.

For **Mikrotik** systems - (send X character via serial port):
/interface ppp-client add name="scripttemp" port=serial0 modem-init="**X**" null-modem=yes disabled=no
:delay 1
/interface ppp-client remove [/interface ppp-client find name="scripttemp"]

Device support socket control by using AT Commands. To do this, turn OFF automatic WATCHDOG function by command **AT+WATCHDOGOFF** (return OK or ERROR in case of typing error). Now you can manualy switch output socked by commands **AT+TURNON** (LED light GREEN) and **AT+TURNOFF**(LED light GREEN). Last state is stored in memory and you don't need reconfigure it after power disconnection. To re-enable automatic watching just type **AT+WATCHDOGON** command. For device reset type **AT+RESET**.

For usage with WRAP board is necessary turn off echo by typing **AT+ECHOOFF.** This command disable any messages including ERROR messages, but all functions works. Re-enable echo can by done via **AT+ECHOON** command.

To get actual status type: **AT+TURN?** , response : **ON** or **OFF** .

RS232 cable is included.

Maintenance and safety code

- Do not disassembly the device or operate it disassembled.
- Device is not designated for secure disconection connected appliance. It is only switch.
- There is no Fuse in the device, you must operate it on standard fused electrical network.
- Do not operate device in humid or chemical agressive places. Device is for in-door use only.
- Do not expose device to vibrations, fall downs or bumps off, you can damage internal parts.
- Use only for appliance up to 10 A current draw. For higher loads you must use Clamper.