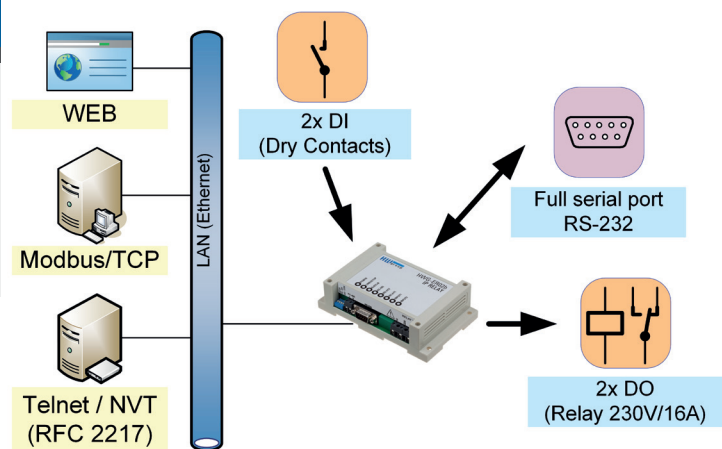**HW** group

# IP Relay ER02b

## 2x 230V/16A relay output and full RS-232 serial port over the Ethernet

Ethernet relay on a DIN rail with a Web interface. Features 2x DI (dry contact input), full RS-232 serial port and 2x DO (230V/16A relay output).

Controlled over the web or Modbus/TCP. Virtual serial port for Windows (HW-VSP application) is available free of charge.

IP Relay can be used to connect any product with a serial port over the LAN (RFID readers, bar code readers, PLC, printers, and so on).

The Box-2-Box mode can "tunnel" the I/O and the serial port over the LAN between two units. Pressing a button at unit A activates an output at unit B.
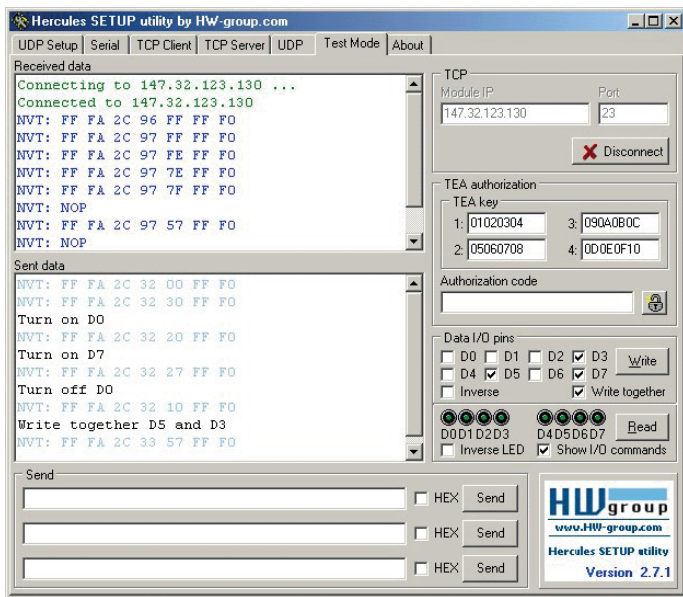


## Applications

- Remote serial port – connect a generic RS-232 device over LAN.
- Remote restart in a rack, fitted on a DIN rail.
- Open a gate, sound a horn or signal an alert.
- Connect a RFID reader + I/O for control.

✔ Full RS-232 serial port

✔ 2x 230V/16A relay output

✔ 2x dry contact input

✔ Box-2-Box mode

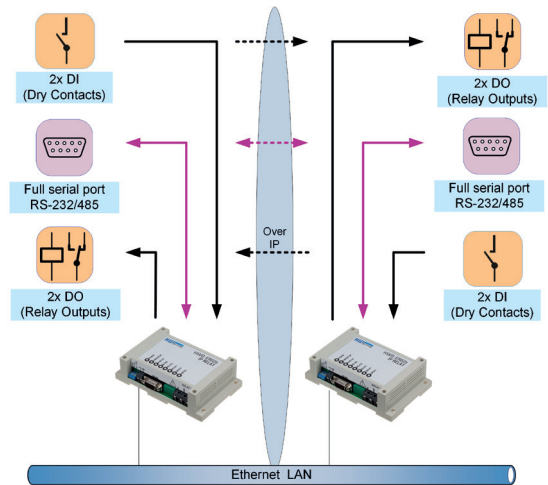✔ I/O control using Modbus/TCP

✔ WEB interface

# Basic features

- Fits on a DIN rail. Features 2 relay outputs that can switch up to 3,6 kW.

- Web-based configuration.

- Two digital inputs for buttons, relay outputs or door contacts.

- Virtual serial port for Windows, free of charge (e.g. COM27 redirected from the PC over the LAN).

- Virtual serial port (HW VSP) supports full serial port signaling and up to 100 remote serial ports.

- HWg-SDK for programmers (includes examples for Borland C++ Builder,MS Visual C, VB, Delphi, C#, PHP, JAVA).

# IP Relay ER02b

| Ethernet | 100 Mbit/s |
|---|---|
| IP protocol | ARP, UDP/IP, TCP/IP (HTTP, Telnet + RFC2217, Modbus/TCP) |
| Digital inputs | 2 digital inputs (dry contacts) |
| Digital outputs | 2 NO/NC relay outputs (230V/16A) |
| RS-232 | Cannon DB9M (RxD, TxD, CTS, RTS, DSR, DTR, RI, CD, GND) |
| RS-485 | 2-pin terminal block |
| Power | 12–30V/0.25 A |
| Dimensions | 145 x 90 x 40 mm |
| Operating conditions | -5 °C to +75 °C +23 °F to +167 °F |





# Optional accessories



I/O controller2



IP WatchDog HWg-WR02a



PortBox2

| IP Relay HWg-ER02b | Product quick start set – 2x relay (230V/16A) + RS-232/485 to Ethernet, CD, power adapter. |
|---|---|
| IP Relay HWg-ER02b SET | Ethernet relay. DIN rail, Web control, 2x DI, full RS-232/485 serial port and 2 relay DO (230V / 16A). |
| PortBox 2 SET | Product quick start set – RS-232/485 to the Ethernet. Contains a CD and a power adapter. |
| IP WatchDog HWg-WR02a SET | Quick start set of an industrial watchdog (supports RS-232) Contains a power adapter and a CD. |
| I/O controller 2 SET | Product quick start set - 8x DI, 8xDO + RS-232/485 to the Ethernet, CD, power adapter, test board. |