PRODUCT OVERVIEW

WebRelay™ provides reliable remote relay control and discrete signal monitoring over any IP network.

WebRelay can be used in countless applications, including pump and motor control, security lock systems, remote reboot, and lighting control.

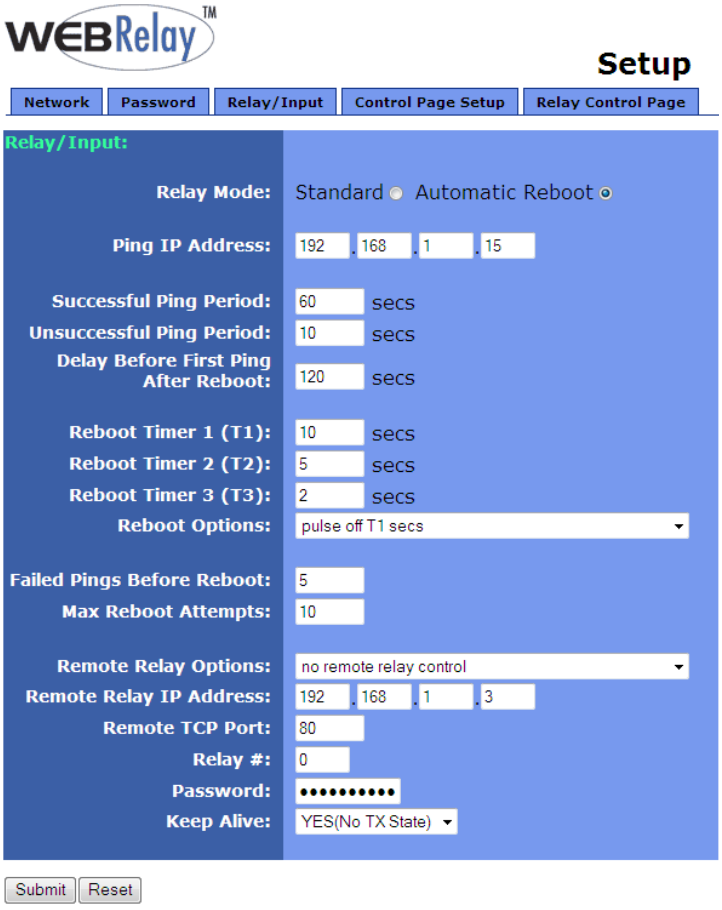
WebRelay's powerful and flexible design make imagination its only limit.

In addition to its built-in relay, WebRelay has an optically-isolated input that can be used to monitor the state of devices, control the relay, or control a remote relay somewhere else on the network.

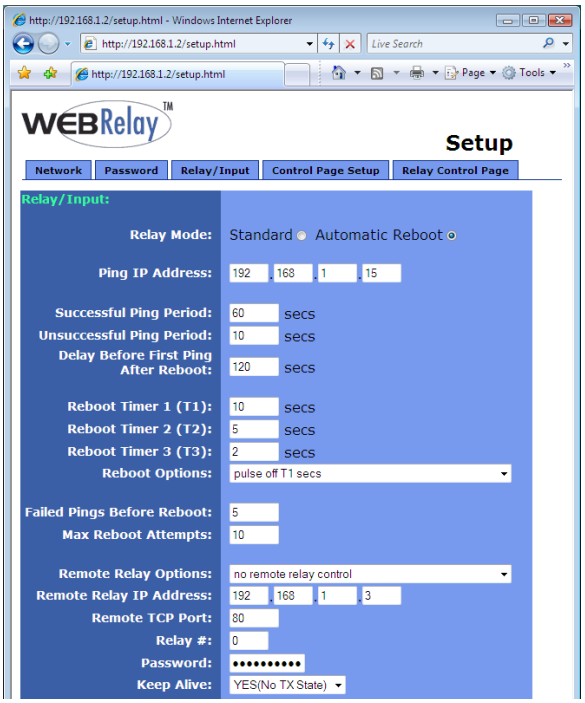
This feature is useful to extend the output of a PLC to another building, or to allow a switch or sensor to control a device at a distant location.

Features:

- No programming required.
- Full control using a standard web browser or text-based XML messages.
- Can operate as a Modbus TCP/IP slave.
- Password protected.
- 12-Amp relay contacts.
- On/Off and Pulse modes.
- Optically-isolated input can be used for:
- Monitoring
- Relay control
- Remote relay control (Peer to Peer)
- Automatic Reboot controller mode for remote reboot of computers and network devices.
- Selectable TCP ports.
- Two removable terminal connectors included.
- Rugged DIN-Rail/wall mountable enclosure.
- Two power supply options available:
  - 9-28 VDC
  - Power-Over-Ethernet (802.3af) or 5VDC



Automatic Reboot Options

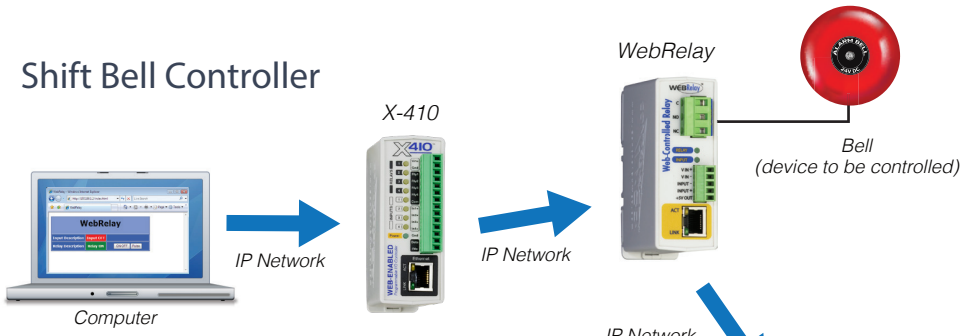


Relay Options

Phone: 1-435-750-5999
Email: Sales@ControlByWeb.com

APPLICATIONS & SPECS

Shift Bell Controller



Additional Applications

- ✓ **Remote Reboot**
- ✓ **Pump Control**
- ✓ **Motor Control**
- ✓ **Remote Relay**
- ✓ **Remote PLC Control**
- ✓ **Industrial Automation**
- ✓ **More...**

Models:

- Current: X-WR-1R12-1I-I , X-WR-1R12-1I-E
- Obsolete: X-WR-1R12-1I5-I, X-WR-1R12-1I24-I, X-WR-1R12-1I5-E (replaced with current models)

Power Requirements

- **Voltage:**
  - X-WR-1R12-1I-I: 9-28VDC
  - X-WR-1R12-1I-E: POE and/or 9-28VDC
- **Current:** 313 mA Max

Relays

- **Number of Relays:** 1
- **Max Voltage:** 240VAC, 30VDC
- **Max Current:** 12A
- **Contact Type:** SPDT (Form 1C)
- **Load Type:** General Purpose
- **Contact Resistance:** < 30 milliohms initial
- **Contact Material:** AgSnO2
- **Electrical Life:** 100K cycles (Typical)
- **Mechanical Life:** 10M cycles (Typical)
- **Environmental Rating:** Over voltage Category II, Pollution Degree 2
- **Relay Modes:** ON/OFF or Pulsed
- **Pulse Timer Duration:** 0.1 to 86,400 Seconds (1-day)

Digital Inputs

- **Number of Inputs:** 1
- **Type:** Optically-Isolated
- **Voltage Range:**
  - X-WR-1R12-1I-I: 4-26 VDC
  - X-WR-1R12-1I-E: 4-26 VDC
- **Current:**
  - X-WR-1R12-1I-I: 950uA @ 4V, 8.5mA @ 26V
  - X-WR-1R12-1I-E: 950uA @ 4V, 8.5mA @ 26V
- **Minimum Hold Time:** 25mS
- **Input Isolation:** 1500Vrms
- **Input Functions:** Monitor, Local Relay Control, Remote Relay Control

Network

- **Type:** 10/100 Base-T Ethernet Port
- **Setup:** Static IP address assignment. TCP port selectable

Connectors

- **Power/Input:** 5-Position Removable
- **Relays/Inputs:** 3-Position Removable
- **Network:** 8-pin RJ-45

LED Indicators

- **Number of LEDs:** 4
  - Digital input voltage applied
  - Relay coil energized
  - Network linked
  - Network activity

Physical

- **Operating Temperature:** -40°F to 150°F (-40°C to 65.5°C)
- **Size:**
  - 1.41in (35.7mm) wide
  - 3.88in (98.5mm) tall
  - 3.1in (78mm) deep (not including connector)
- **Weight:** 5 oz (142 grams)
- **Enclosure Material:** Lexan 940 Polycarbonate Plastic
- **Enclosure Flame Rating:** UL94 V0

Protocols

- HTTP, XML, Modbus TCP/IP

Password Settings

- **Password protection on setup page:** Yes
- **Password protection on control page:** Optional
- **Password Encoding:** Base 64
- **Max Password Length:** 10 Characters

Electromagnetic Compliance

- IEC CISPR 22, CISPR 24
- EU EN55024, EN55022
- FCC 47CFR15 (-I Models class B, -E POE Model Class A)

Product Safety Compliance

- UL: E468316 61010-1 3rd Edition
- CSA: C22.2 No. 61010-1-12 3rd Edition
- CCN: QUYX, QUYX7 (Process Control Equipment, Electrical)

CE