

# WebRelay-Quad™

Four Independent Relays



For many applications, WebRelay-Quad™ is the fastest, easiest, least expensive, and most reliable way to remotely control equipment over an IP network, including the Internet.

WebRelay-Quad™ is used by many different companies for hundreds of applications such as industrial control, security, remote control, remote reset, and much more. It has four low-signal relays that can individually switch up to 1-Amp at 28V. Each relay can be turned on, off, or pulsed using the built-in web pages or by running custom scripts from a computer or dedicated controller. It is extremely versatile and can be made to fit almost any remote relay control need.

The WebRelay-Quad™ is fully configured in minutes using a web browser. No additional software is needed.

Webrelay Quad		
Relay 1 Description	Relay ON	ON OFF Pulse
Relay 2 Description	Relay OFF	ON OFF Pulse
Relay 3 Description	Relay ON	ON OFF Pulse
Relay 4 Description	Relay OFF	ON OFF Pulse

Control User Interface

## Features :

- Built-in web server for setup and remote relay control from a web-browser.
- No special software or device drivers required.
- XML status and control pages makes communications with custom software applications simple.
- Can operate as Modbus/TCP slave device.
- Four independent, 28 V, 1-Amp Relays (SPDT).
- On/Off and Pulse modes.
- Rugged DIN-Rail/wall mountable enclosure.
- Includes a 14-pin industrial terminal connector.
- Power Supply Options:
  - 5 VDC
  - 9-28 VDC
  - Power-Over-Ethernet (802.3af)

**Control Page Setup:**

Main Header Text: WebRelay Quad

Auto Refresh Page: Yes ☐ No ☒

Duration: 3 sec

**Relay 1 Setup:**

Relay Description: Relay 1 Description

Display Relay Status: Yes ☒ No ☐

Status ON Color: Gr ☒ Rd ☐ Yllw ☐ Bl ☐

Status ON Text: Relay ON

Status OFF Color: Gr ☐ Rd ☒ Yllw ☐ Bl ☐

Status OFF Text: Relay OFF

ON/OFF Buttons: 0 ☐ 1 ☒ 2 ☐

Button1 Label: ON

Button2 Label: OFF

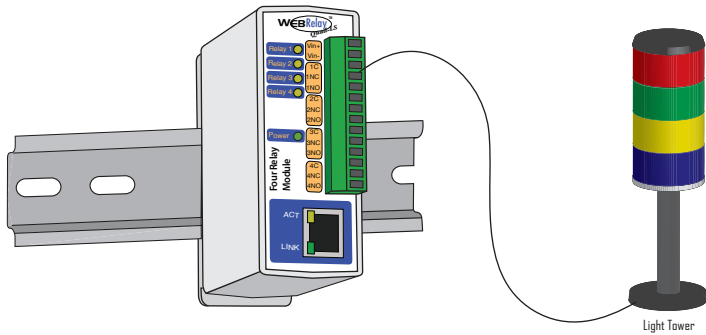
Pulse Button: Yes ☐ No ☒

Pulse Button Label: Pulse

Pulse Duration: 1.5 secs

Individual Relay Customization

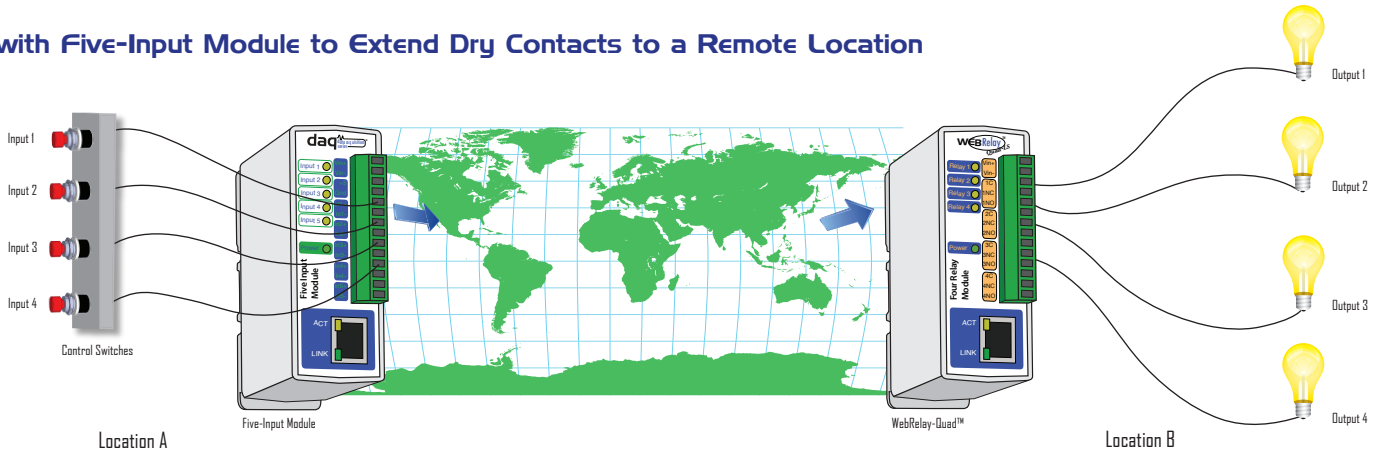
## Four Color Light Tower



### Additional Applications:

- ✓ Industrial Control
- ✓ Remote Reset
- ✓ Security
- ✓ Remote Control
- ✓ More...

## Use with Five-Input Module to Extend Dry Contacts to a Remote Location



### Power Requirements:

Model: X-WR-4RI-5  
Voltage: 5VDC $\pm$ 5%  
Current: 173mA - 458mA\*

Model: X-WR-4RI-1  
Voltage: 9-28VDC  
Current: 40mA - 320mA

\*Current based upon voltage applied and device settings.  
See users manual for complete breakdown.

Model: X-WR-4RI-E  
Power Over Ethernet: POE Class I  
(0.44 to 3.84 Watt)

I/O: 4 Relays

### Relay Contacts:

Contact Form: SPDT (Form C) (Direct access to dry contacts)  
Contact Material: Ag (Au clad)  
Max Voltage: 28V  
Max Current: 1A  
Min Load: 1mA @ 5VDC  
Relay Control Options: ON/OFF or Pulsed  
Pulse Timer Duration: 100ms to 86400 Seconds (1 day)  
Accuracy of pulse timer: 99.99%

### Network:

10/100 Base-T Ethernet

### Network Setup:

Static IP address assignment, HTTP port selectable

### Connectors:

Power/Relay Contacts: 14-position, removable terminal strip,  
3.81mm terminal spacing  
Network: 8-pin RJ-45 socket

### LED Indicators: 7

- Module Powered
- Relay Coil Energized (1-4)
- Network Linked
- Network Activity

### Physical:

Operating Temperature: -40°C to 65.5°C (-40°F to 150°F)

### Size:

1.41in (35.7mm) wide  
3.88in (98.5mm) tall  
3.1in (78.0mm) deep  
Weight: 4.5oz (128 grams)  
Enclosure Material: Lexan 940 (UL94 V0 flame rated)

### Password Settings:

Password protection on setup page: Yes  
Password protection on control page: Optional  
Password Encoding: Base 64  
Max password length: 10 characters

### Regulatory Compliance:

Electromagnetic Compliance:  
IEC CISPR 22, CISPR 24  
FCC 47CFR15 (-I and -5 Models class B, POE Model Class A)  
EU EN55024, EN55022

### Product Safety:

IEC 60950-1 / EN 60950-1