

WEBRelay™ Dual-III

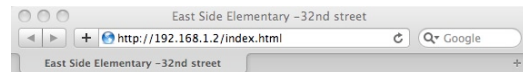
Applications:

- Road signs/lights
- Work shift bells
- Remote and/or scheduled reset
- Remote lighting control
- Electric door locks
- Electric gate openers
- Energy management
- Remotely control pumps, motors, fans, etc.



Setup

Event #	Start Date/Time	Period	Count	Relay #	Relay Action	Pulse
00 - Light On (Morning)	M 09/28/2009 07:30:00	M Tu W Th F	0	1	turn relay on	1.5 Secs
01 - Light Off (Morning)	M 09/28/2009 08:30:00	M Tu W Th F	0	1	turn relay off	1.5 Secs
02 - Light On (Afternoon)	M 09/28/2009 00:00:00	M Tu W Th F	0	1	turn relay on	1.5 Secs
03 - Light Off (Afternoon)	M 09/28/2009 00:00:00	M Tu W Th F	0	1	turn relay off	1.5 Secs
04 - Labor Day (disable)	M 09/07/2009 01:00:00	Su M Tu W Th F Sa	1	---	disable events	1.5 Secs
05 - Labor Day (enable)	M 09/07/2009 22:00:00	Su M Tu W Th F Sa	1	---	enable events	1.5 Secs
06 - Thanksgiving (disable)	W 11/25/2009 23:00:00	Su M Tu W Th F Sa	1	---	disable events	1.5 Secs
07 - Thanksgiving (enable)	Sa 11/28/2009 01:00:00	Su M Tu W Th F Sa	1	---	enable events	1.5 Secs
08 - Christmas (disable)	W 12/23/2009 18:00:00	Su M Tu W Th F Sa	1	---	disable events	1.5 Secs
09 - Christmas (enable)	Su 01/03/2010 01:00:00	Su M Tu W Th F Sa	1	---	enable events	1.5 Secs



East Side Elementary - 32nd street			
Manual Flasher Switch #1	OFF		
Flasher #1	ON	ON OFF 60-Min ON	
Manual Flasher Switch #2	OFF		
Flasher #2	ON	ON OFF 60-Min ON	
Current Time: Mon, 28 Sep 2009 11:19:40			

The WebRelay Dual is an exciting addition to our most advanced series of products. It is a web-enabled, programmable relay device for a wide variety of remote control and automation applications. It has two electro-mechanical relays, two optically-isolated inputs, and a wealth of cutting-edge features. The relays can be controlled remotely using a standard web browser or programmed to operate on advanced schedules. The optically-isolated inputs can be used for discrete signal monitoring, relay control, or they can be configured to control the relay contacts of other ControlByWeb devices located elsewhere on the network (or Internet).

CONTROLbyWEB™
www.ControlByWeb.com

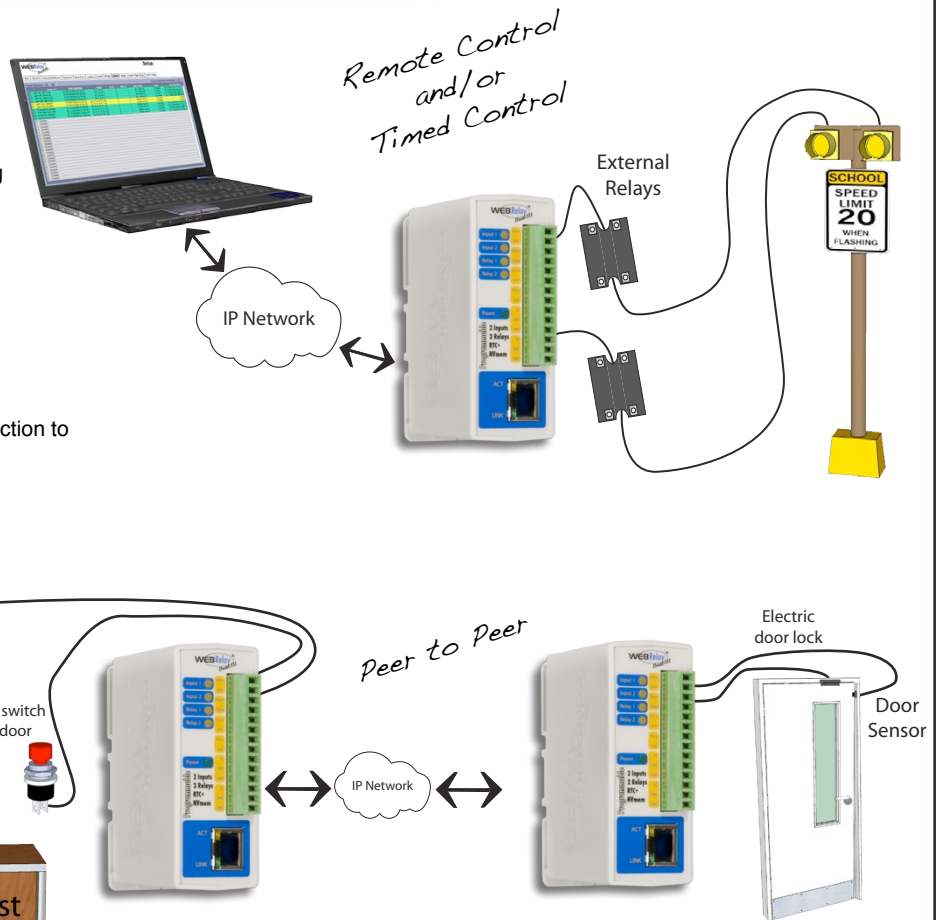
a division of
Xytronix Research and Design, Inc.
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WebRelay Dual offers all the benefits of our latest, third generation product line.

Features:

- Up to 100 scheduled events
- Full calendar scheduling
- Automatic daylight savings and leap year adjustment
- Synchronize clock with NTP server for precise time keeping
- Capacitor-backed clock
- Two electro-mechanical relays
- Two optically-isolated inputs
- Automatic and manual control
- Control and configure using a web browser
- No software required
- Customizable web-based control page
- Settings stored in non-volatile memory
- BASIC script support for advanced functionality
- Remote services; X-301 can be configured to initiate connection to remote server
- HTTP, SNMP, SMTP, Modbus/TCP, DHCP
- Email Alerts
- Event and periodic logging
- System voltage and internal temperature monitoring
- Removable 14-terminal connector for easy installation
- Rugged Din-rail mount enclosure



Specifications:

Model X-301-I
Model X-301-24I

Power Requirements:
Voltage: 9-28VDC
Current: 310mA Max

I/O: 2 Relays, 2 Inputs

Relay Contacts:
Contact Form: SPDT (form c)
Contact Material: AgSnO₂
Contact Resistance: 100 milli-ohm max
Max Voltage: 28VAC, 24VDC
Max Current: 5A

Optically Isolated Inputs:
Voltage Range (X-301-I model): 3-12VDC
Voltage Range (X-301-24I model): (11-28VDC)
Current: 4.7-25mA
Minimum Hold Time (high or low): 20mS
Maximum Count Frequency: 25Hz
Input Functions: Monitor State, Control Relays, Control Remote Relays, Count, High Timer

Real-Time Clock:
Manual or NTP (Network Time Protocol) setup
NTP Sync Period: Once, Daily, Weekly, On Powerup
Auto Daylight Savings Adjustment
Battery Backed: Internal Capacitor Backed

Network: 10/100 Base-T Ethernet Port

Connectors:
Power/Inputs: 14-Position Removable
Network: 8-pin RJ-45

LED Indicators: 7
-Module Powered
-Relay Coil Energized 1-2
-Inputs 1-2

Physical:
Operating Temperature: -22° to 149°F
(-30° to 65°C)

Size:
1.41in (35.7mm) wide
3.88in (98.5mm) tall
3.1in (78mm) deep (not including connector)
Weight: 5.5oz (156 grams)

Enclosure Material: Lexan 940
Flame rating UL94 V0

Monitor/Control:
Web Browser, XML, Modbus/TCP, SNMP, Remote Services (Web Services), and Data Logging

Logging:
Storage: Nonvolatile Flash
Buffer Architecture: Circular Buffer
Log file size: 200K (max 4655 logs)
Unlimited data storage from Web Monitoring Service

Advanced Features:
BASIC interpreter
Remote services
Avoid most firewall issues with outbound connection to Web Services

Password Settings:
Password protection on setup page: Yes
Password protection on control page: Optional
Password Encoding: Base 64
Max password length: 13 characters