



Network Dual Door Strike Relay Operations Guide

Part #011375
Document Part #931776B
for Firmware Version 5.0.4

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Network Dual Door Strike Relay Operations Guide 931776B
Part # 011375

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Technical Support

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<https://support.cyberdata.net/>

Phone: (831) 373-2601, Ext. 333

Email: support@cyberdata.net

Fax: (831) 373-4193

Company and product information is at www.cyberdata.net.

Revision Information




Revision 931776B, which corresponds to firmware version 5.0.4, was released on March 7, 2022, and has the following changes:

- Updates [Section 1.4, "Features"](#)
- Updates [Table 1-1, "Specifications"](#)
- Updates [Figure 2-12, "Configure Device Page"](#)
- Updates [Section 2.3, "The Door Strike Relay Page"](#)
- Updates [Figure 2-13, "DSR Page"](#)
- Updates [Table 2-6, "DSR Configuration Parameters \(Manual Mode\)"](#)
- Updates [Figure 2-12, "Configure Device Page"](#)
- Updates [Table 2-3, "Device Configuration Parameters"](#)



Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. Prior to installation, consult local building and electrical code requirements.

14. WARNING: The device enclosure is not rated for any AC voltages!

 GENERAL ALERT	<p>Warning</p> <p><i>Electrical Hazard:</i> This product should be installed by a licensed electrician according to all local electrical and building codes.</p>
 GENERAL ALERT	<p>Warning</p> <p><i>Electrical Hazard:</i> To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.</p>
 GENERAL ALERT	<p>Warning</p> <p>The PoE connector is intended for intra-building connections only and does not route to the outside plant.</p>

Pictorial Alert Icons

 GENERAL ALERT	General Alert This pictorial alert indicates a potentially hazardous situation. This alert will be followed by a hazard level heading and more specific information about the hazard.
	Ground This pictorial alert indicates the Earth grounding connection point.

Hazard Levels

Danger: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This is limited to the most extreme situations.

Warning: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Caution: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also alert users against unsafe practices.

Notice: Indicates a statement of company policy (that is, a safety policy or protection of property).

The safety guidelines for the equipment in this manual do not purport to address all the safety issues of the equipment. It is the responsibility of the user to establish appropriate safety, ergonomic, and health practices and determine the applicability of regulatory limitations prior to use. Potential safety hazards are identified in this manual through the use of words Danger, Warning, and Caution, the specific hazard type, and pictorial alert icons.

Abbreviations and Terms

Abbreviation or Term	Definition
A-law	A standard companding algorithm, used in European digital communications systems to optimize, i.e., modify, the dynamic range of an analog signal for digitizing.
AVP	Audio Video Profile
Cat 5	TIA/EIA-568-B Category 5
DHCP	Dynamic Host Configuration Protocol
LAN	Local Area Network
LED	Light Emitting Diode
Mbps	Megabits per Second.
NTP	Network Time Protocol
PBX	Private Branch Exchange
PoE	Power over Ethernet (as per IEEE 802.3af standard)
RTFM	Reset Test Function Management
SIP	Session Initiated Protocol
SRTP	Secure Real Time Protocol
u-law	A companding algorithm, primarily used in the digital telecommunication
UC	Unified Communications
VoIP	Voice over Internet Protocol

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1 Product Overview and Setup

1.1 Introduction

The Network Dual Door Strike Relay is a network device designed to control an electronic door strike. The door strike relay (DSR) is meant to be used as a replacement for (or an addition to) the on-board relay. In addition to being a drop-in 12 Amp relay, the DSR can monitor and record when the door is open or closed. The DSR can be configured to respond to DTMF code and call events.

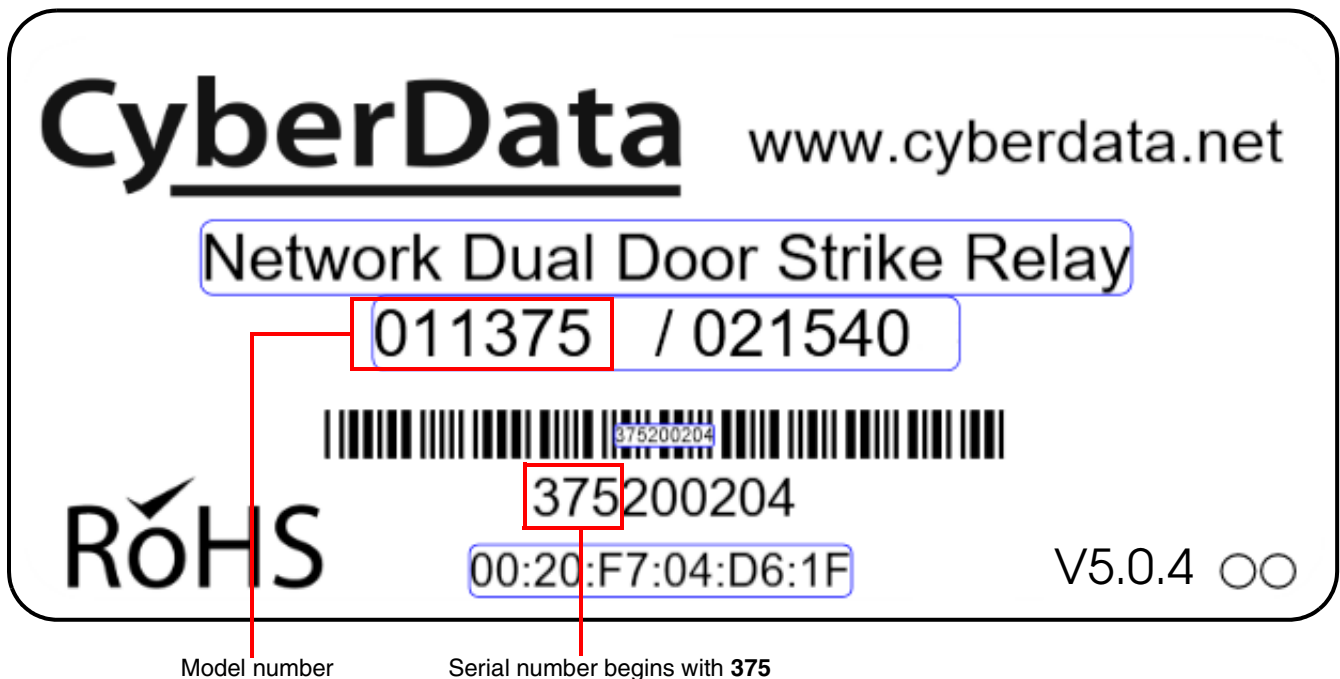
The Network Dual Door Strike Relay can be accessed through the web interface of a CyberData device, as described in [Chapter 2, "Configure the Door Strike Relay"](#)

1.2 How to Identify This Product

To identify the Network Dual Door Strike Relay, look for a model number label similar to the one shown in [Figure 1-1](#). Confirm the following:


- The model number on the label should be **011375**.
- The serial number on the label should begin with **375**.

Figure 1-1. Model Number Label



1.3 Typical System Installation

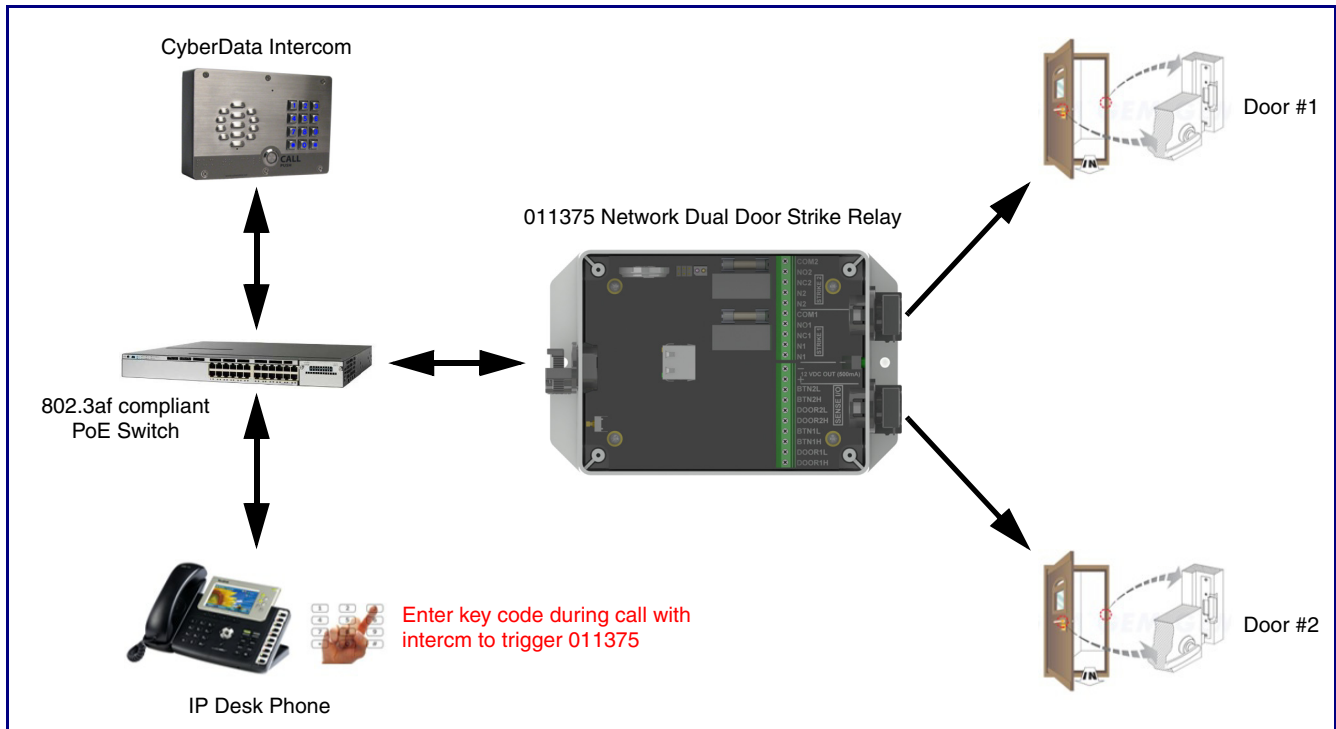
The following figures illustrate how the Network Dual Door Strike Relay can be installed as part of a VoIP phone system.


GENERAL ALERT

Warning

Electrical Hazard: Hazardous voltages may be present. No user serviceable part inside. Refer to qualified service personnel for connecting or servicing.

Figure 1-2. Typical Installation



1.4 Features

- AES encryption (up to 256 bit)
 - Discoverable by CyberData VoIP products
 - Web interface for configuration
 - Event logging function
 - Intrusion detection
 - Relays can be configured to unlock for a fixed time (pulse) or indefinitely
-
- Dual 12A relays
 - NO/NC contacts
 - 12V @ 500 mA for direct powered strikes
 - Opto-isolated sense inputs
 - Wall mounting
 - Cable strain relief
 - Device status LED

1.5 Specifications

Table 1-1. Specifications

Specifications	
Ethernet I/F	10/100 Mbps
Power Input	802.3at PoE
Relay Voltage/Current	12A@250VAC/ 12A@24VDC
Operating Range	Temperature: -40° C to 55° C (-40° F to 131° F) Humidity: 5-95%, non-condensing
Storage Temperature	-40° C to 70° C (-40° F to 158° F)
Storage Altitude	Up to 15,000 ft. (4573 m)
Dimensions ^a	6.586 inches [167.3 millimeter] Length 4.338 inches [110.3 millimeter] Width 2.600 inches [66 millimeter] Height
Weight	0.5 lbs [.23 kg]
Boxed Weight	1.0 lbs [.45 kg]
Compliance	RoHS Compliant; FCC Part 15 Class; Industry Canada ICES-3 Class A; IEEE 802.3 Compliant; TAA Compliant
Warranty	2 Years Limited
Part Number	011375

a. Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

1.6 Compliance

1.6.1 RoHS Statement

RoHS Compliant. Flammability rating on all components is 94V-0.

1.6.2 FCC Statement



This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

1.6.3 Industry Canada (IC) Compliance Statement

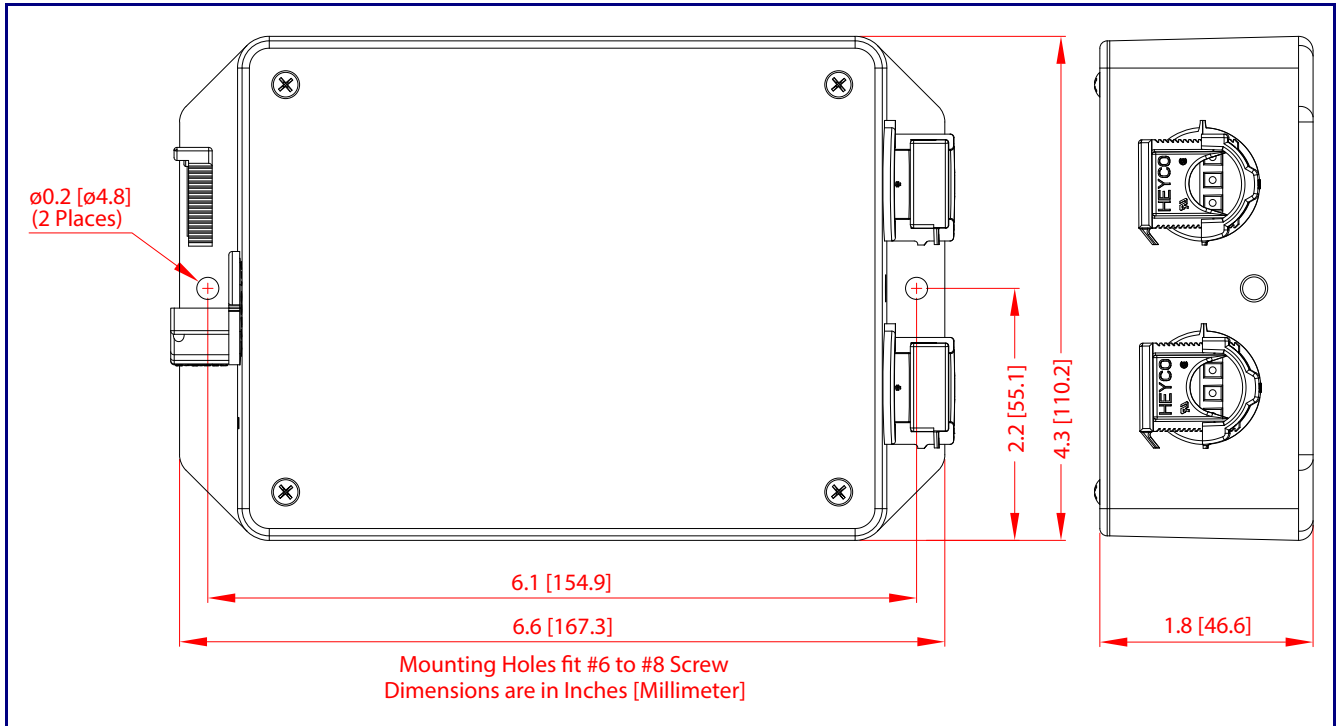
Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operations of the device.

ICES-3 Class A

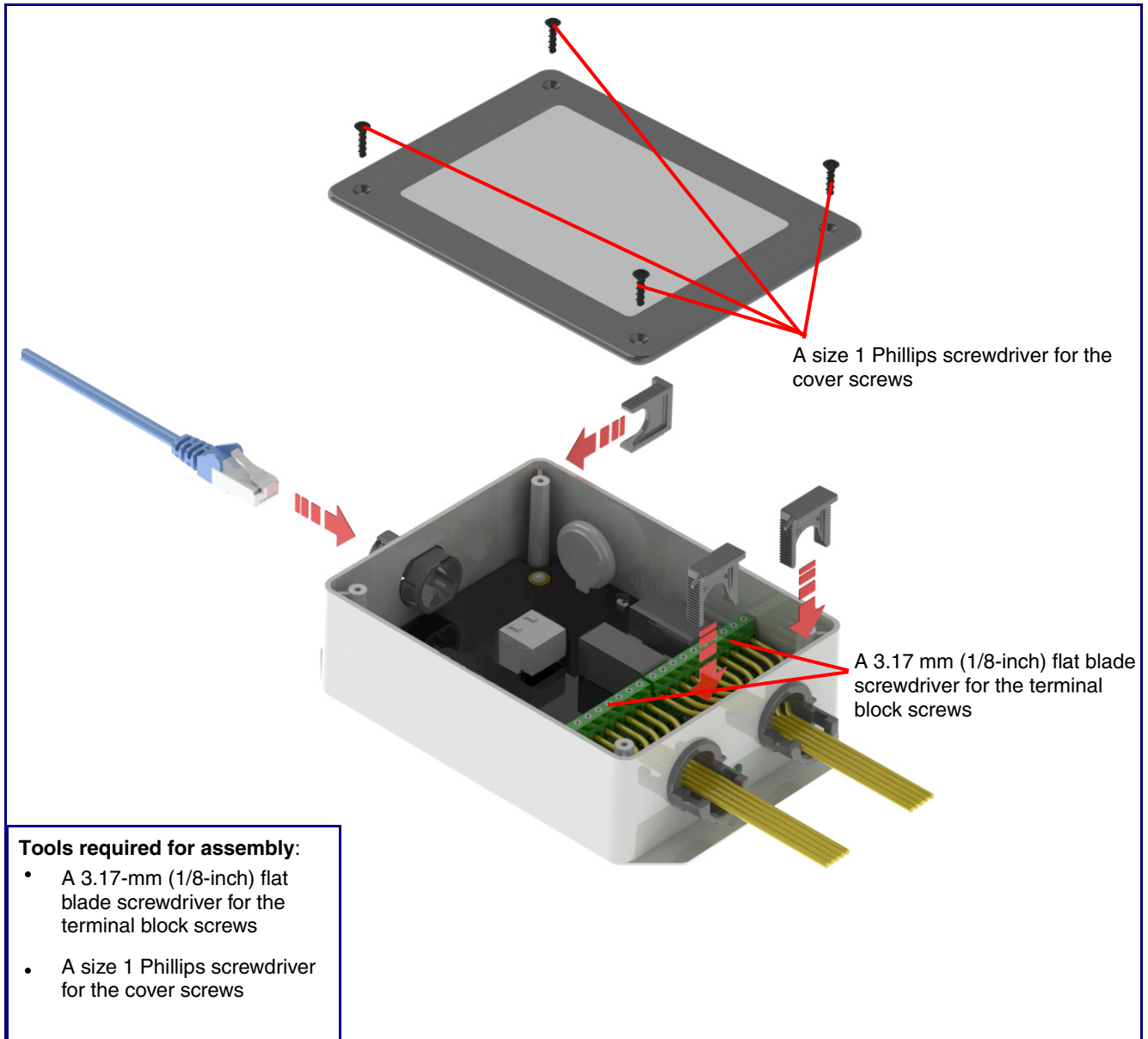
1.7 Dimensions

Figure 1-3. Dimensions



1.8 Assembly

Figure 1-4. Assembly



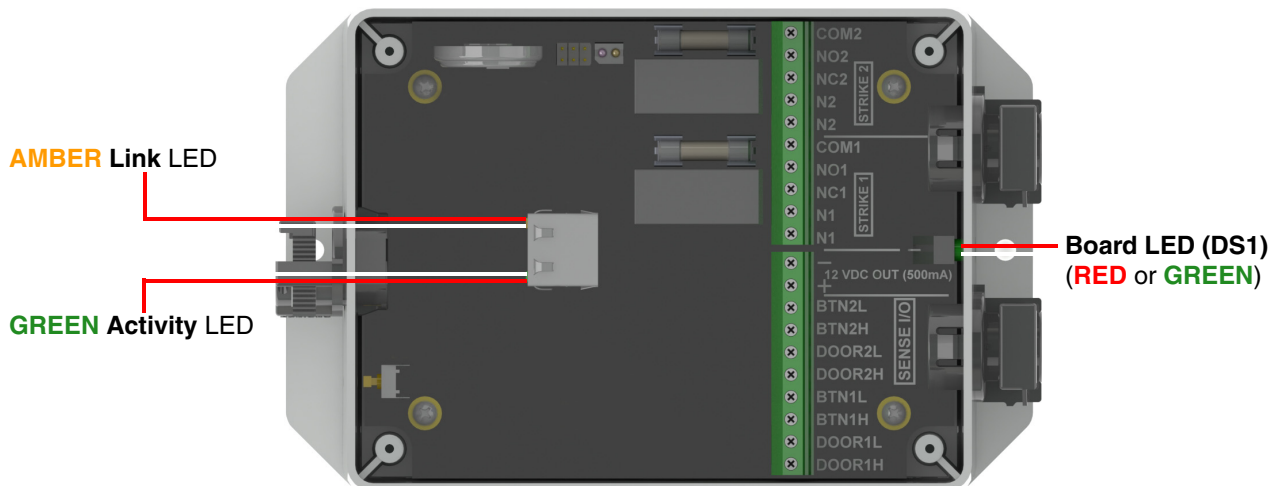
1.9 LED Behavior

See [Table 1-2](#) and [Figure 1-5](#) for the meaning of the device's LED behavior.

Table 1-2. LED Behavior

Status and Link LEDs (at J1):	
LED Behavior	Means
The AMBER Status LED is on and the GREEN Link LED is on and blinking.	No fault detected. The device is on the network and the device is not active.
Note: On boot, within approximately three seconds, the AMBER Status LED and the GREEN Link LED come on with the GREEN Link LED beginning to blink almost immediately.	
Board LED (DS1):	
LED Behavior	Means
On and solid RED	No fault detected. A relay is not engaged.
On and solid GREEN	No fault detected. A relay is engaged.
One long RED flash and a short RED flash	Device hardware fault, communication error
One long RED flash and one short AMBER flash	Device hardware fault, communication error
One long RED flash and two short AMBER flashes	Device hardware fault, memory error
One long RED flash and three short AMBER flashes	Device hardware fault, fuse
One short RED flash and one short AMBER flash	Network address, DHCP Issue
Note: On boot, the board LED blinks RED once, and then remains on and solid RED until a relay is engaged.	

Figure 1-5. LEDs




1.10 Wiring the Network Dual Door Strike Relay

1.10.1 Network Dual Door Strike Relay Wiring Diagram with External Power Source

For wiring an electronic door strike to work over a network, we recommend the use of our external Network Dual Door Strike Relay (CD# 011375).

This product provides an easier method of connecting standard door strikes as well as AC and higher voltage devices. See [Figure 1-6](#) and [Figure 1-7](#) for the wiring diagrams.

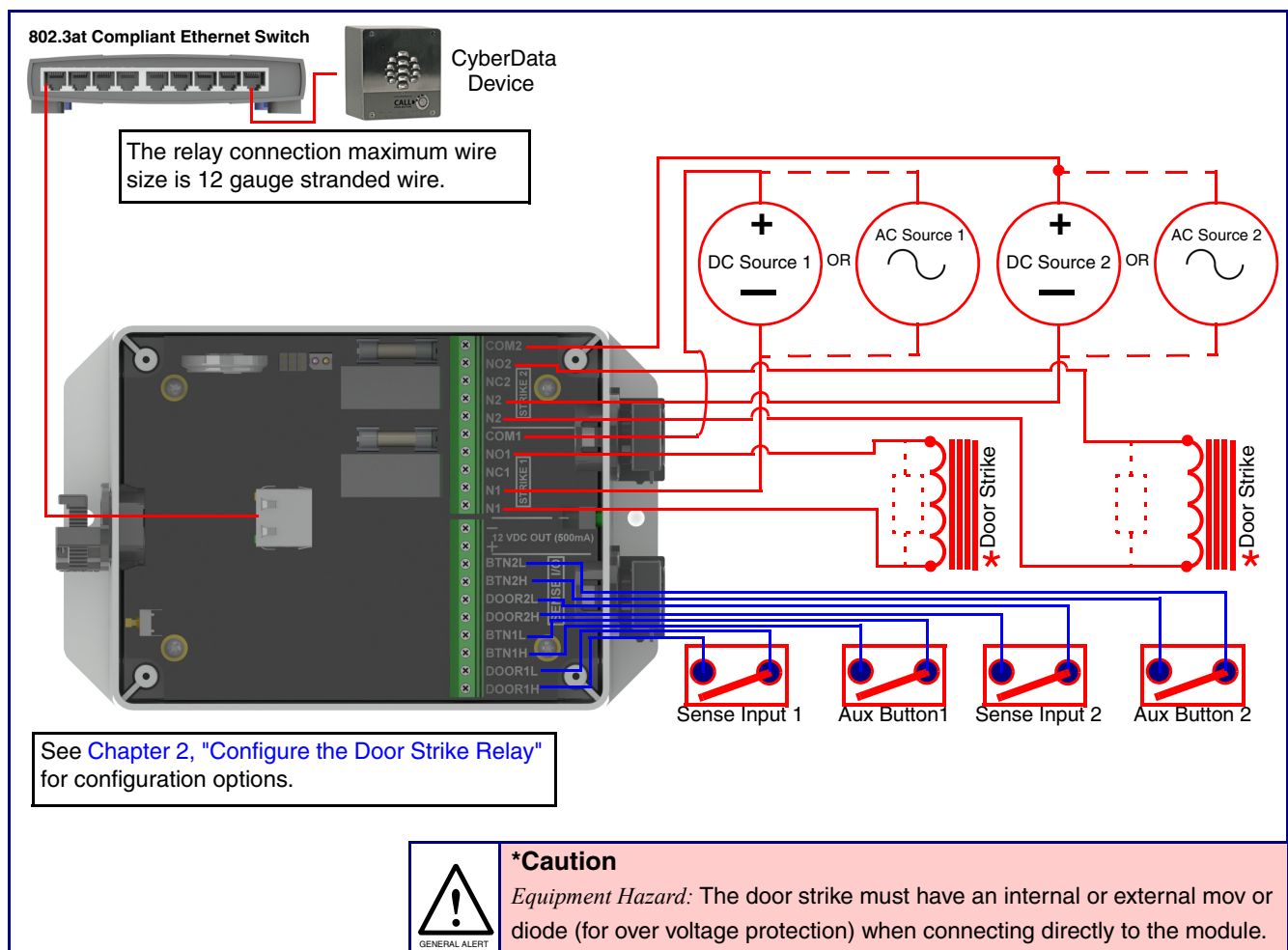


GENERAL ALERT

Warning

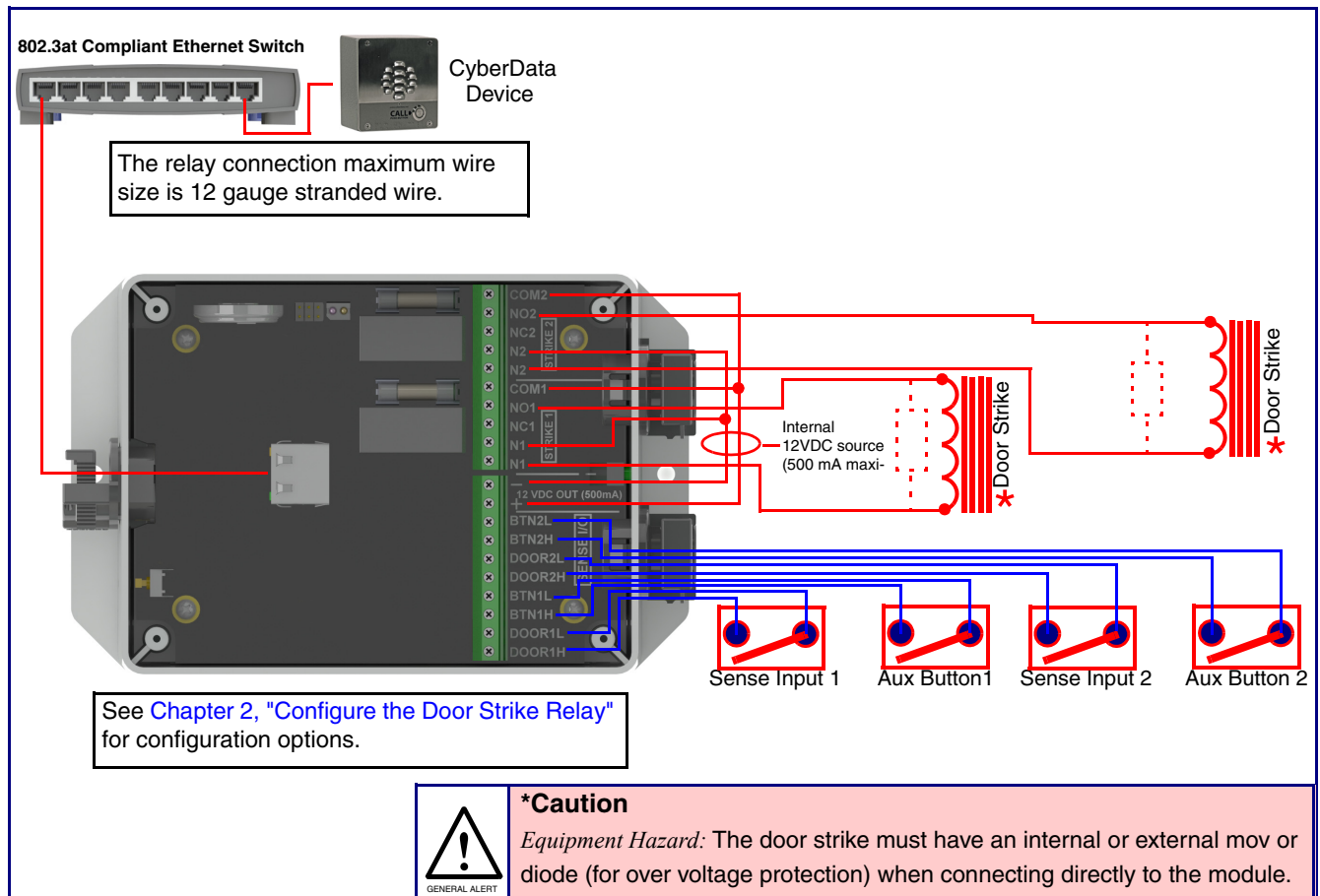
Electrical Hazard: Hazardous voltages may be present. No user serviceable part inside. Refer to qualified service personnel for connecting or servicing.

Figure 1-6. Network Dual Door Strike Relay Wiring Diagram with External Power Source



1.10.2 Network Dual Door Strike Relay Wiring Diagram Using PoE

Figure 1-7. Network Dual Door Strike Relay Wiring Diagram Using PoE



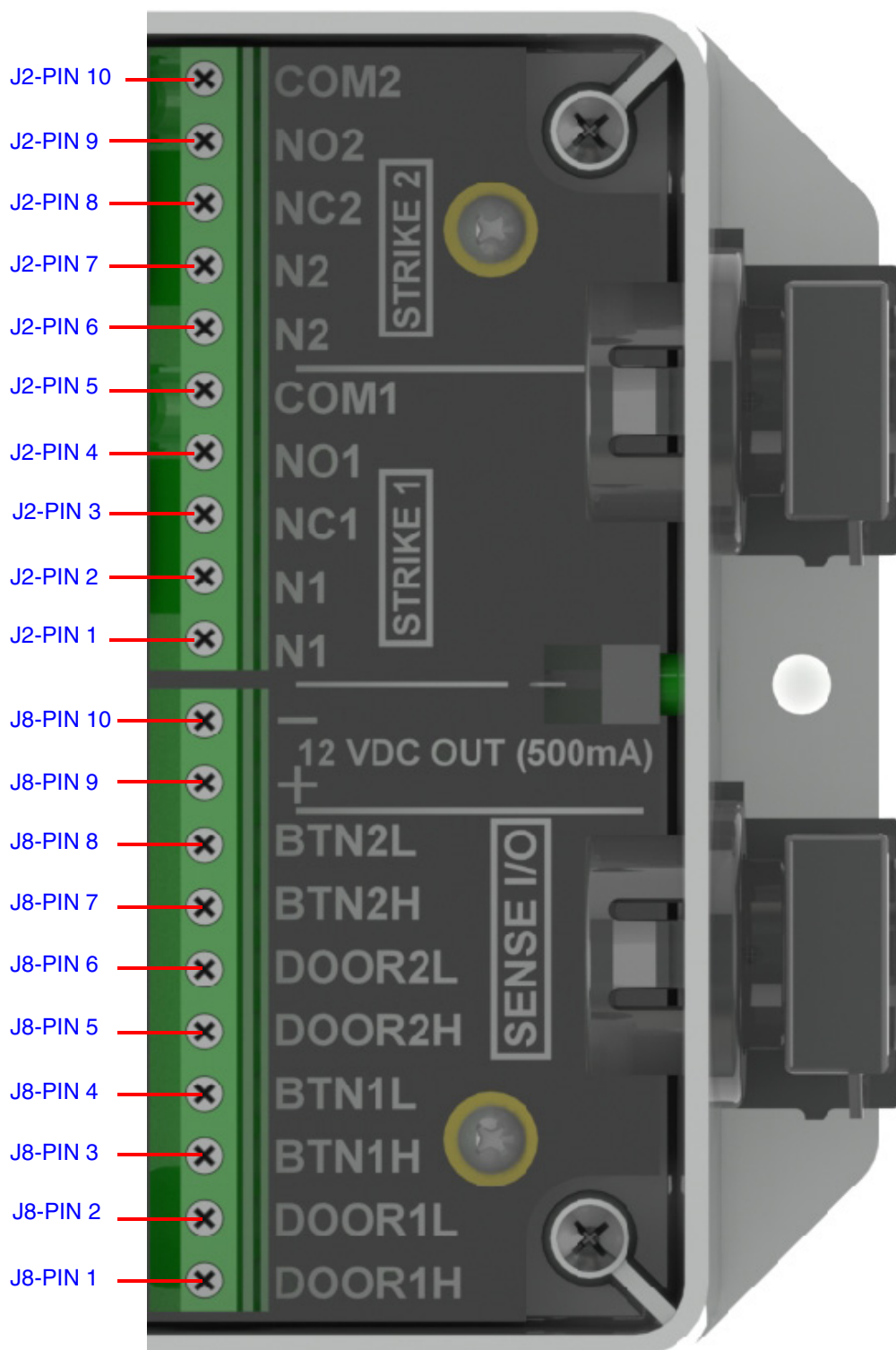
If you have questions about connecting door strikes or setting up the web configurable options, please contact our support department at the following website:

<https://support.cyberdata.net/>

1.11 Terminal Block Wiring Connections

See [Figure 1-8](#) and [Table 1-3](#) for the terminal block wiring connections.

Figure 1-8. Terminal Block Wiring Connections



1. On the **DSR** page, enter values for the parameters indicated in [Table 1-3](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 1-3. Terminal Block Wiring Connections

	Connections	Description
N1	J2-PIN 1	Door Strike 1: Neutral or common tie point. Allows the user to tie the power source and door strike commons together internally to the box.
N1	J2-PIN 2	
NC1	J2-PIN 3	Door Strike 1: Normally closed relay contact
NO1	J2-PIN 4	Door Strike 1: Normally opened relay contact
COM1	J2-PIN 5	Door Strike 1: Relay common connection
N2	J2-PIN 6	Door Strike 2: Neutral or common tie point. Allows the user to tie the power source and door strike commons together internally to the box.
N2	J2-PIN 7	
NC2	J2-PIN 8	Door Strike 2: Normally closed relay contact
NO2	J2-PIN 9	Door Strike 2: Normally opened relay contact
COM2	J2-PIN 10	Door Strike 2: Relay common connection
DOOR1-H	J8-PIN 1	Door 1 sense high side connection
DOOR1-L	J8-PIN 2	Door 1 sense low side connection
BTN1-H	J8-PIN 3	Button 1 sense high side connection
BTN1-L	J8-PIN 4	Button 1 sense low side connection
DOOR2-H	J8-PIN 5	Door 2 sense high side connection
DOOR2-L	J8-PIN 6	Door 2 sense low side connection
BTN2-H	J8-PIN 7	Button 2 sense high side connection
BTN2-L	J8-PIN 8	Button 2 sense low side connection
12V(+)	J8-PIN 9	+12 V out at 500 mA
12V(-)	J8-PIN 10	Common connection for 12V output

1.12 Jumper Definitions

See [Table 1-3](#) for the jumper definitions.

Table 1-4. Jumper Definitions

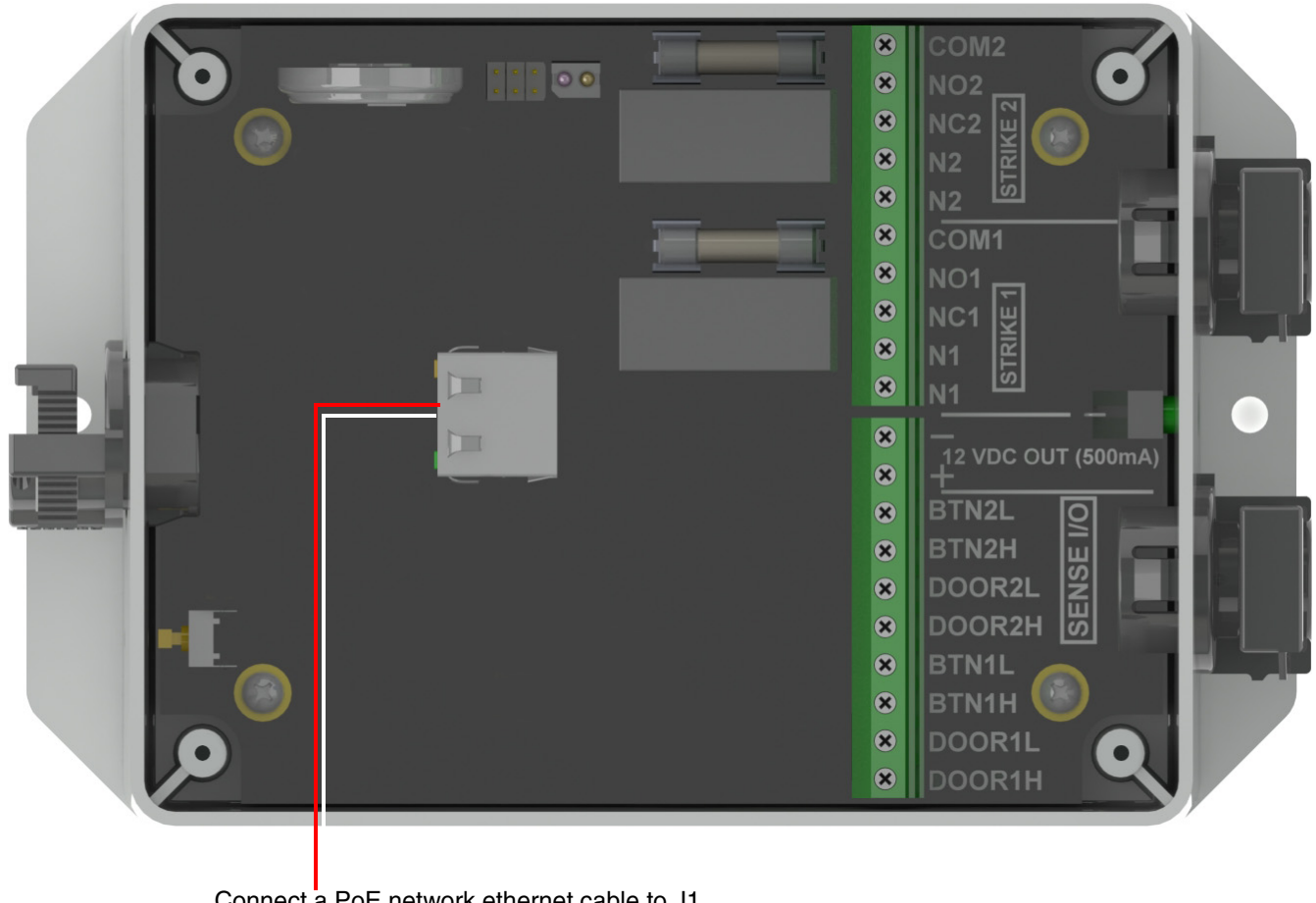
Jumper	Description
JP5	Missing Installed—Held in reset
JP10 ^a	Missing—Intrusion sensor enabled Installed—Intrusion sensor disabled

1.13 Reset to Factory Defaults

To reset the device to the original factory default settings, complete the following steps:

1. Apply power to the device by connecting a PoE network ethernet cable to J1.
2. Wait for 10 to 20 seconds.

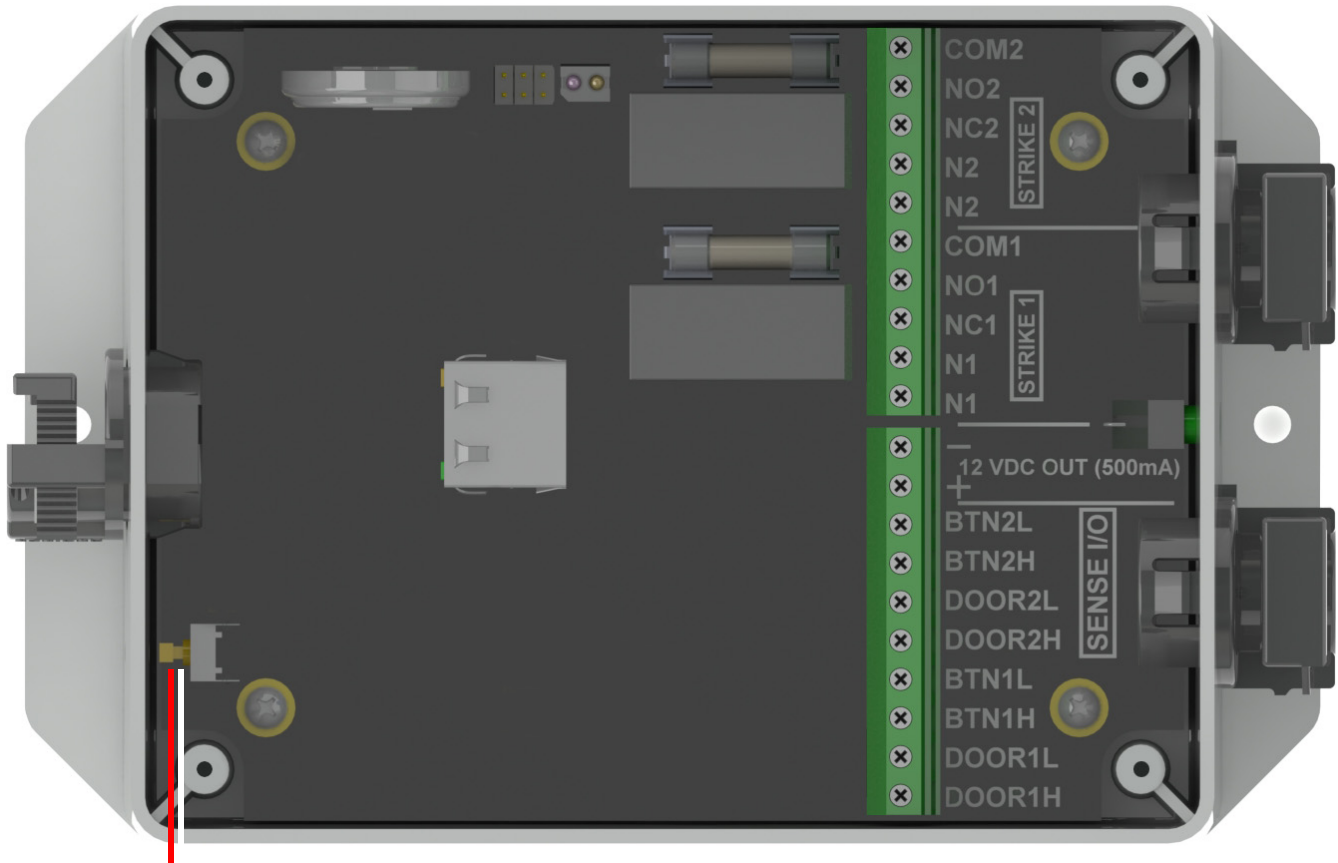
Figure 1-9. Disconnect the PoE network ethernet cable connection from J1



Connect a PoE network ethernet cable to J1

3. Press the RTFM button (SW1) and hold it down.
4. Wait until the green LED starts flashing once per second.
5. Release the RTFM button and the LED will turn red.

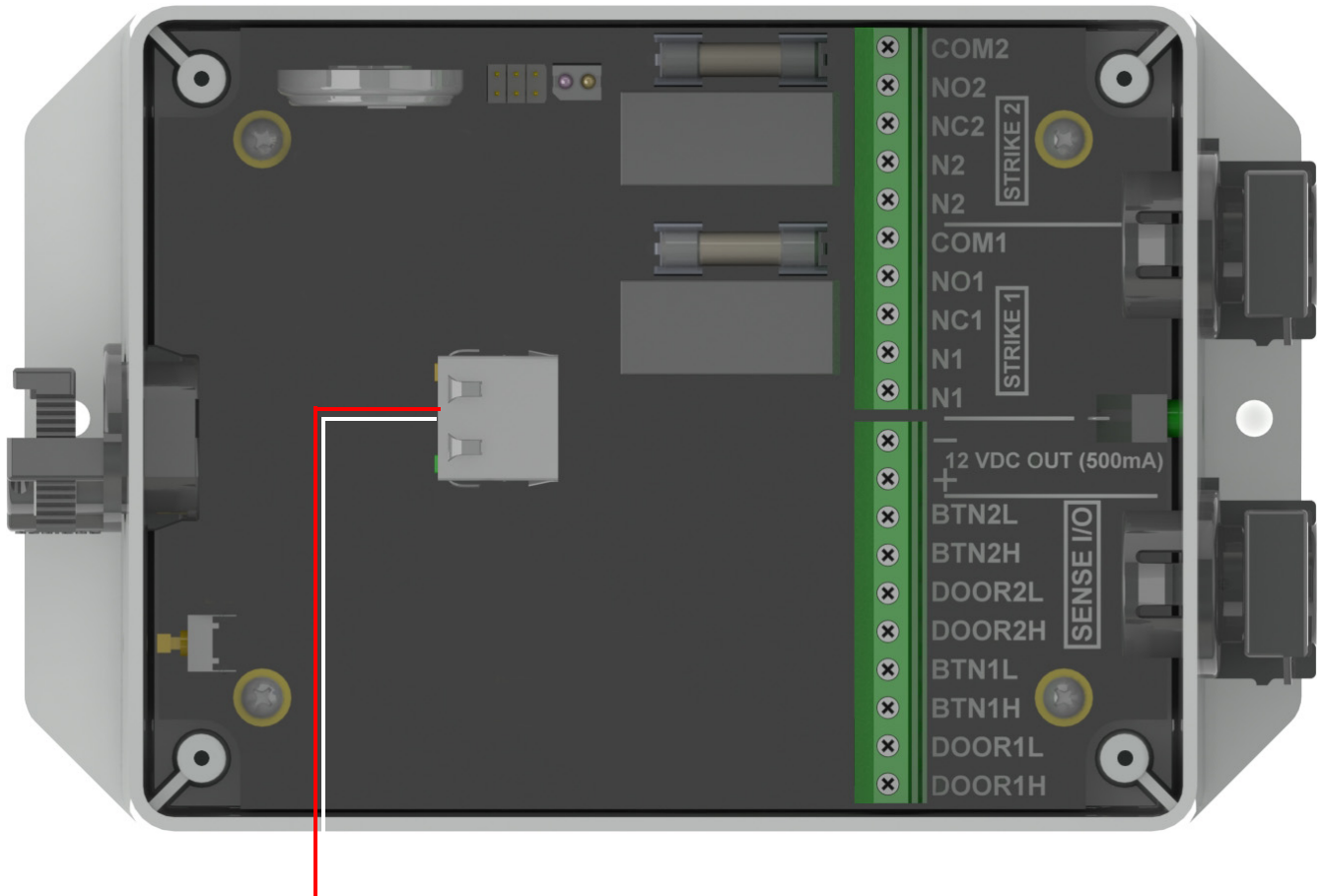
Figure 1-10. Press the RTFM button (SW1) and hold it down



Press the RTFM button (SW1) and hold it down

6. Remove power from the device by disconnecting the PoE network ethernet cable from J1.

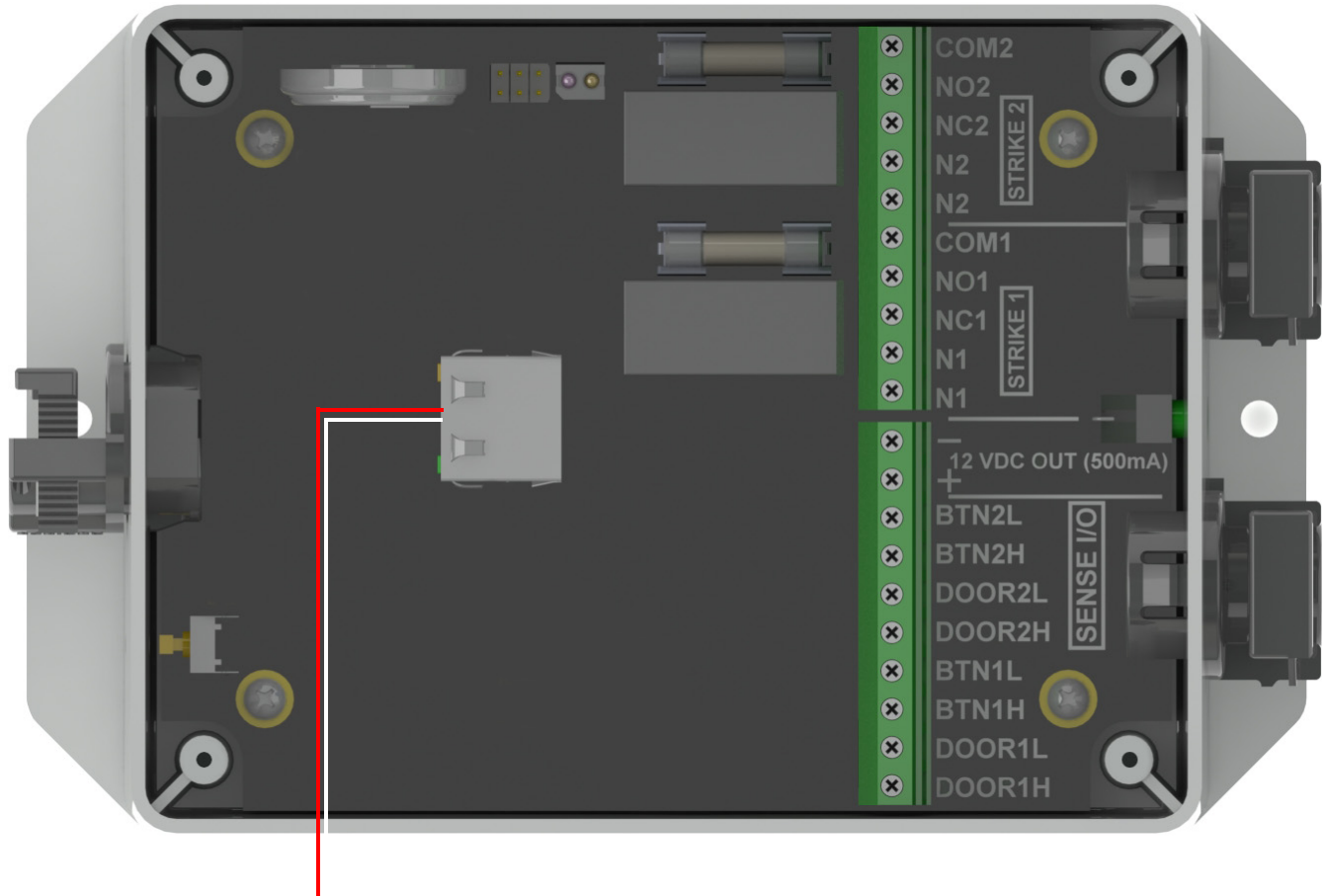
Figure 1-11. Disconnect the PoE network ethernet cable from J1



Disconnect the PoE network ethernet cable from J1.

7. Reconnect power to the device by plugging the PoE network ethernet cable connection into J1.

Figure 1-12. Connect the PoE network ethernet cable connection to J1



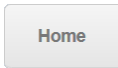
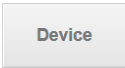

Connect the PoE network ethernet cable connection to J1

2 Configure the Door Strike Relay

2.0.1 Network Dual Door Strike Relay Web Page Navigation

Table 2-1 shows the navigation buttons that you will see on every Network Dual Door Strike Relay web page.

Table 2-1. Web Page Navigation

Web Page Item	Description
	Link to the Home page.
	Link to the Device page.
	Link to the Firmware page.

2.0.2 Using the Toggle Help Button

The **Toggle Help** button allows you to see a short description of some of the settings on the webpage. To use the **Toggle Help** button, do the following:

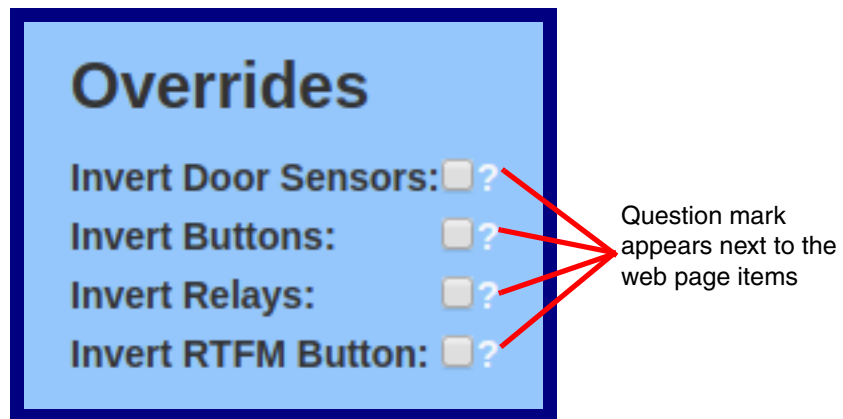
1. Click on the **Toggle Help** button that is on the UI webpage. See [Figure 2-1](#) and [Figure 2-2](#).

Figure 2-1. Toggle/Help Button



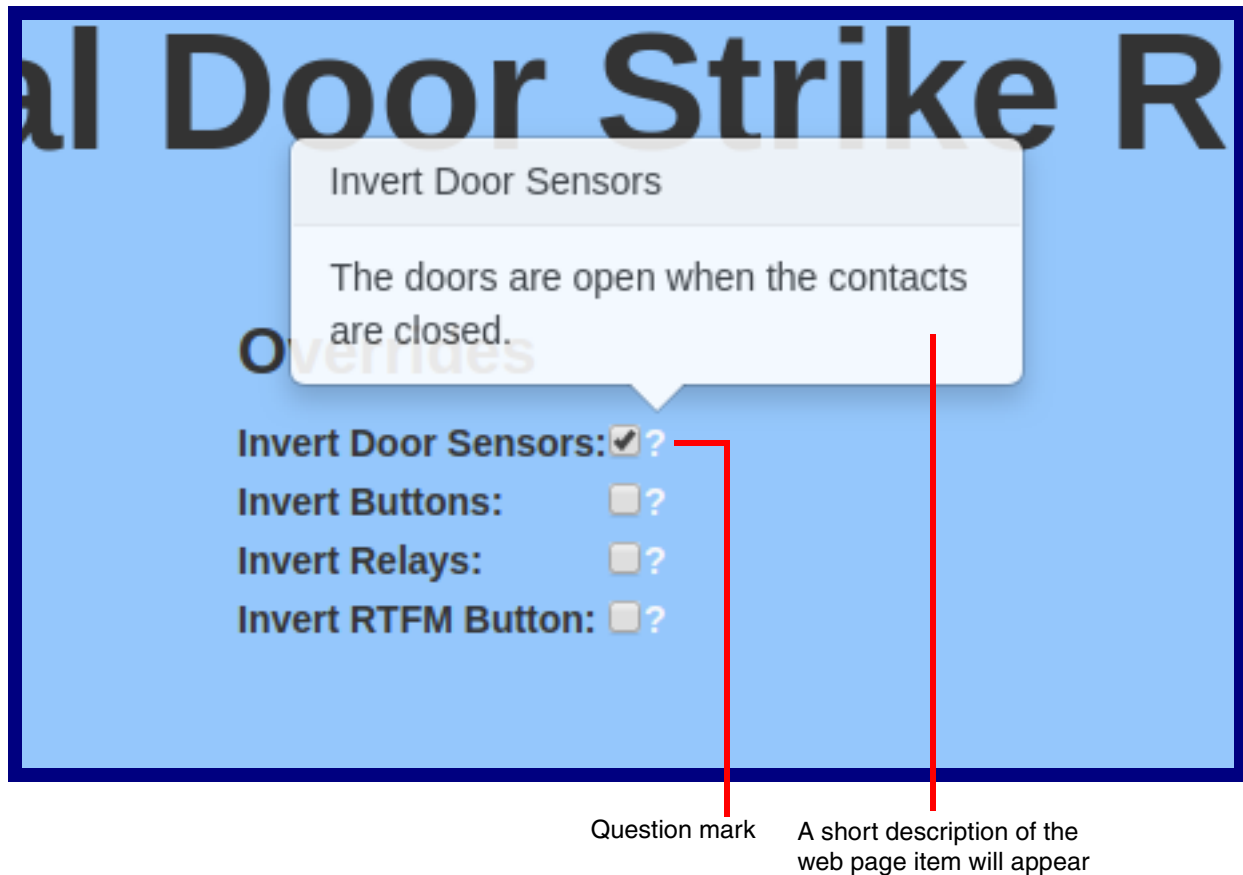
2. You will see a question mark (?) appear next to each web page item that has been provided with a short description by the Help feature. See [Figure 2-2](#).

Figure 2-2. Toggle Help Button and Question Marks



3. Move the mouse pointer to hover over the question mark (?), and a short description of the web page item will appear. See [Figure 2-3](#).

Figure 2-3. Short Description Provided by the Help Feature



2.0.3 Log in to the Configuration Home Page

1. Open your browser to the Network Dual Door Strike Relay IP address.

Note If the network does not have access to a DHCP server, the device will default to an IP address of IPv4 Link Local.

Note Make sure that the PC is on the same IP network as the Network Dual Door Strike Relay.

Note You may also download CyberData's VoIP Discovery Utility program which allows you to easily find and configure the default web address of the CyberData VoIP products.

CyberData's VoIP Discovery Utility program is available at the following website address:

<https://www.cyberdata.net/pages/discovery>

Note The Intercom ships in DHCP mode. To get to the **Home** page, use the discovery utility to scan for the device on the network and open your browser from there.

2. When prompted, use the following default **Web Access Username** and **Web Access Password** to access the **Home Page** (Figure 2-4):

Web Access Username: **admin**

Web Access Password: **admin**

Figure 2-4. Home Page

Current Status	
Serial Number:	375200001
Mac Address:	00:20:f7:04:77:ba
Firmware Version:	v5.0.0
Partition 2:	v5.0.0
Partition 3:	v5.0.0
Booting From:	partition 2

[Boot From Other Partition](#)





Admin Settings	
Username:	admin
Password:	*****
Confirm Password:	*****

[Save](#) [Reboot](#) [Toggle Help](#)

3. On the **Home** page, review the setup details and navigation buttons described in [Table 2-2](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-2. Home Page Overview

Web Page Item	Description
Admin Settings	
Username ?	The username to access the web interface. Enter up to 25 characters.
Password ?	The password to access the web interface. Enter up to 25 characters.
Confirm Password ?	Confirm the web interface password.
Current Status	
Serial Number	Shows the device serial number.
Mac Address	Shows the device Mac address.
Firmware Version	Shows the current firmware version.
Partition 2	Contains a complete copy of bootable software.
Partition 3	Contains an alternate, complete copy of bootable software.
Bootting From	Indicates the partition currently used for boot.
	Allows the user to boot from the alternate partition.
	Click the Save button to save your configuration settings.
	Click on the Reboot button to reboot the system.
	Click on the Toggle Help button to see a short description of some of the web page items. First click on the Toggle Help button, and you will see a question mark (?) appear next to some of the web page items. Move the mouse pointer to hover over a question mark to see a short description of a specific web page item.

2.0.4 Configure the Device

1. Click the **Device** menu button to open the **Device** page. See [Figure 2-5](#).

Figure 2-5. Device Configuration Page

HomeDeviceFirmware

Network Dual Door Strike Relay

Clock Settings

Enable NTP: ☒

NTP Server:

Timezone:

Current Time: Mon, 14 Sep 2020 09:46:35

Overrides

Invert Door Sensors: ☐

Invert Buttons: ☐

Invert Relays: ☐

Invert RTFM Button: ☐

Save




Reboot

Toggle Help

2. On the **Device** page, you may enter values for the parameters indicated in [Table 2-3](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-3. Device Configuration Parameters

Web Page Item	Description
Clock Settings	
Enable NTP ?	Sync device's local time with the specified NTP Server.
NTP Server ?	Use this field to set the address (in IPv4 dotted decimal notation or as a canonical name) for the NTP Server. This field can accept canonical names of up to 64 characters in length.
Timezone	Enter the tz database string of your timezone. Examples: America/Los_Angeles America/New_York Europe/London America/Toronto See https://en.wikipedia.org/wiki/List_of_tz_database_time_zones for a full list of valid strings.
Current Time	Displays the current time.
Overrides	
Invert Door Sensors ?	The doors are open when the contacts are closed.
Invert Buttons ?	The buttons are active when the contacts are open.
Invert Relays ?	Setting this inverts the relay activation state.
Invert RTFM Button ?	When selected, saving and rebooting will restore factory defaults.
	Click the Save button to save your configuration settings.
	Click on the Reboot button to reboot the system.
	Click on the Toggle Help button to see a short description of some of the web page items. First click on the Toggle Help button, and you will see a question mark (?) appear next to some of the web page items. Move the mouse pointer to hover over a question mark to see a short description of a specific web page item.

2.1 Upgrade the Firmware

Note CyberData strongly recommends that you do not upgrade the firmware when the device is likely to be in use.

To upgrade the firmware of your device:

1. Download the latest firmware file from the **Downloads** tab at the following webpage:
<https://www.cyberdata.net/products/011375>
2. Unzip the firmware version file. This file may contain the following:
 - Firmware file
 - Release notes
3. Log in to the **Home** page as instructed in [Section 2.0.3, "Log in to the Configuration Home Page"](#).
4. Click on the **Firmware** menu button to open the **Firmware** page ([Figure 2-6](#)).


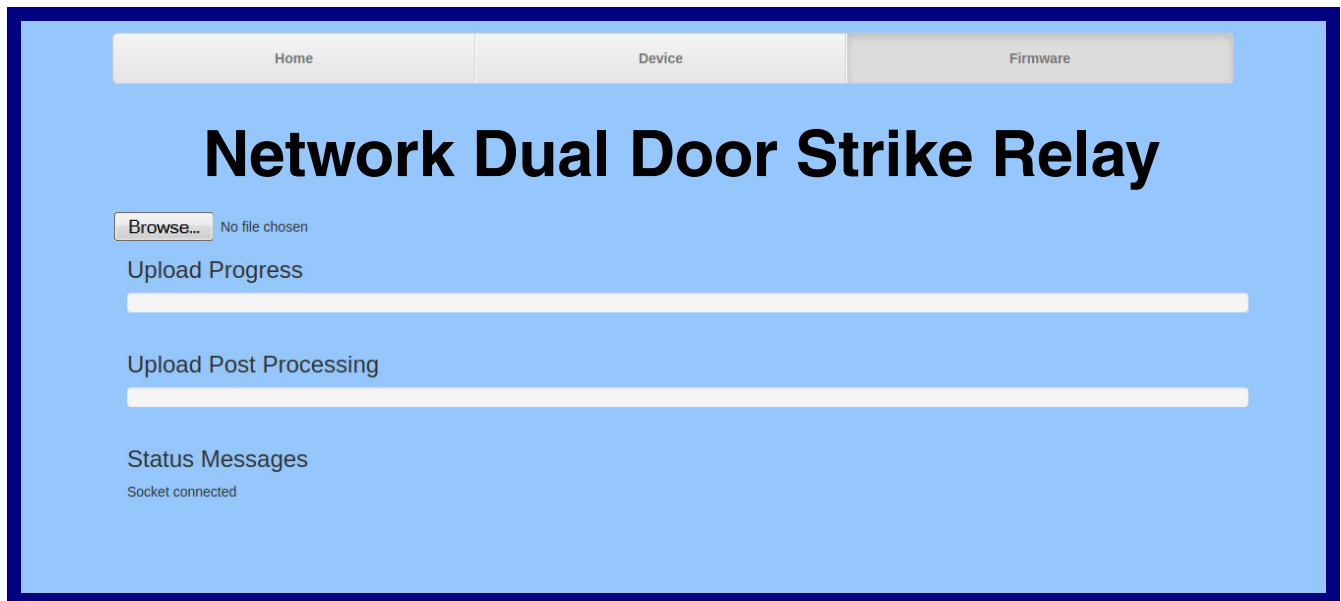
 <p>GENERAL ALERT</p>	<p>Caution</p> <p>Equipment Hazard: CyberData strongly recommends that you first reboot the device before attempting to upgrade the firmware of the device. See Section 2.1, "Upgrade the Firmware".</p>
--	--

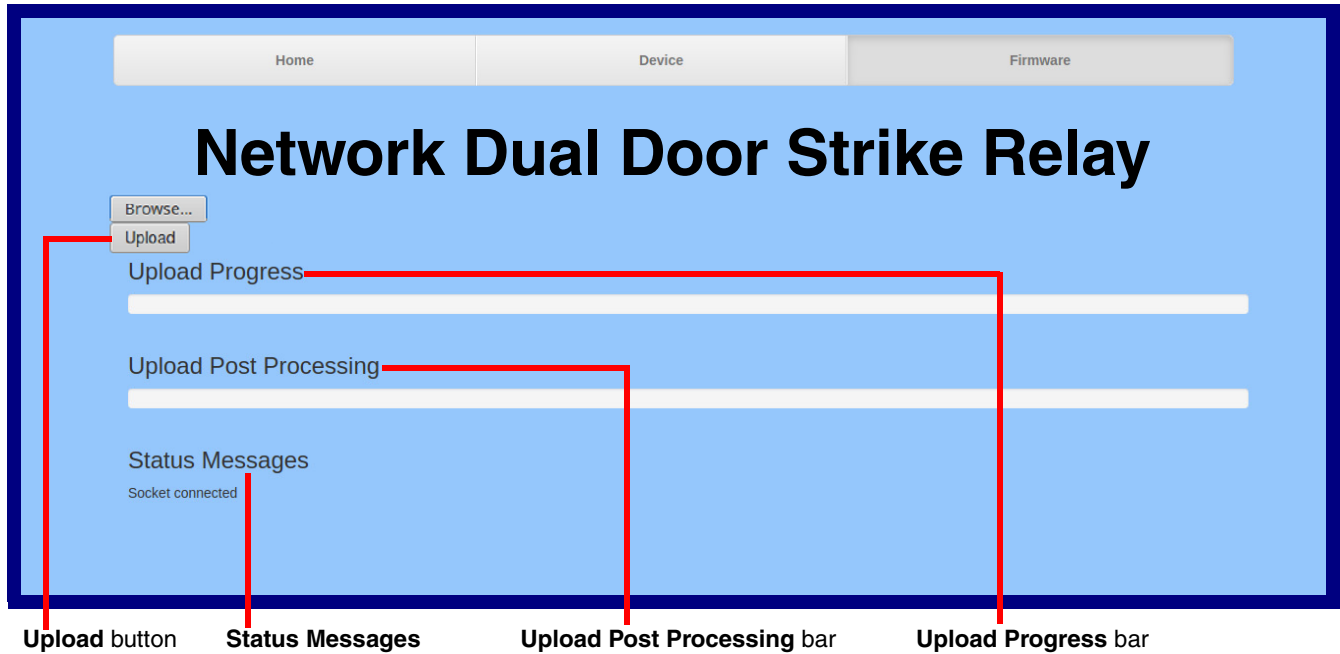
Figure 2-6. Firmware Page



5. Click on the **Browse** button, and then navigate to the location of the firmware file.

6. Select the firmware file. This reveals the **Upload** button (Figure 2-7).

Figure 2-7. Upload Button



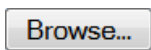
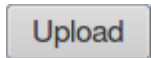
7. Click on the **Upload** button. After selecting the **Upload** button, you will see the progress of the upload in the **Upload Progress** bar.
8. When the upload is complete, you will see the words **Upload finished** under **Status Messages**.
9. At this point, you will see the progress of the upload's post processing in the **Upload Post Processing** bar.

Note Do not reboot the device before the upgrading process is complete.

10. When the process is complete, you will see the words **SWUPDATE Successful** under **Status Messages**.
11. The device will reboot automatically.
12. The **Home** page will display the version number of the firmware and indicate which boot partition is active.

Table 2-4 shows the web page items on the **Firmware** page.

Table 2-4. Firmware Page Parameters

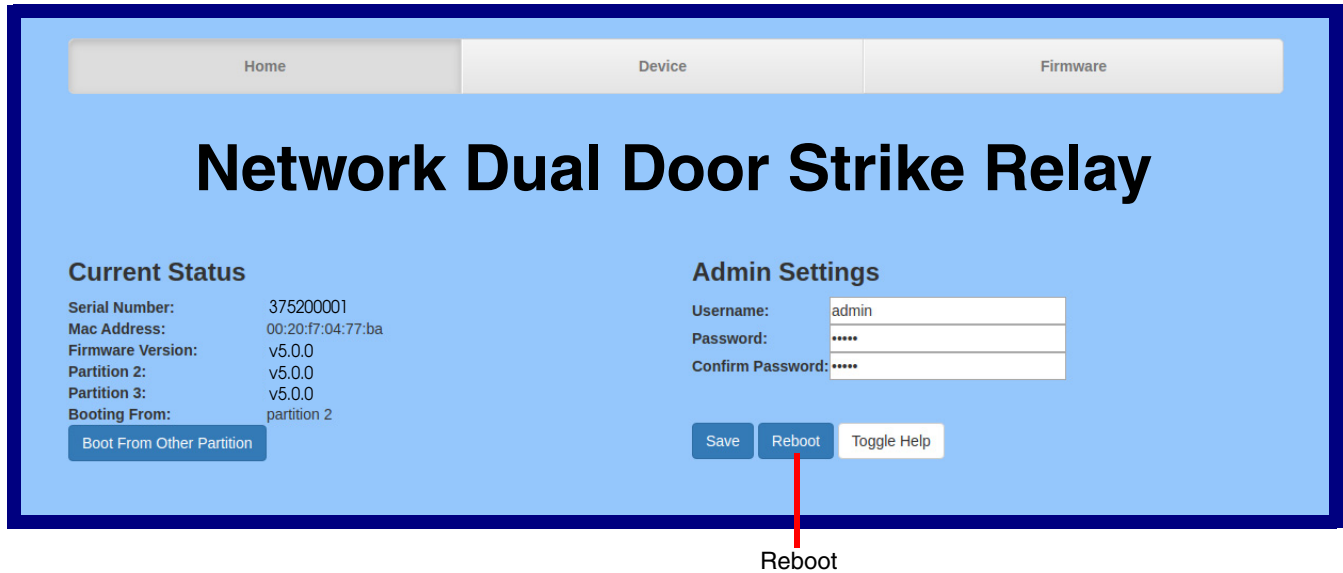
Web Page Item	Description
	Use the Browse button to navigate to the location of the firmware file that you want to upload.
	Click on the Upload button to automatically upload the selected firmware and reboot the system. Note: This button only appears after the user has selected a firmware file.
Upload progress	Status bar indicates the progress in uploading the file.
Upload Post Processing	Status bar indicates the progress of the software installation.
Status Messages	Messages relevant to the firmware update process appear here.

2.2 Reboot the Device

To reboot the device, complete the following steps:

1. Log in to the **Home** page as instructed in [Section 2.0.3, "Log in to the Configuration Home Page"](#).
2. Click on the **Reboot** button on the **Home** page ([Figure 2-8](#)). A normal restart will occur.

Figure 2-8. Home Page



2.3 The Door Strike Relay Page

The Door Strike Relay (DSR) is a network device designed to control an electronic door strike. The DSR is meant to be used as a replacement for (or an addition to) the on-board relay. In addition to being a drop-in 12 Amp relay, the DSR can monitor and record when the door is open or closed.

The DSR can be configured to respond to DTMF codes, and can be directly accessed through the CyberData device's web page.

Note This section demonstrates configuring the Network Dual Door Strike Relay from the web page of a CyberData Intercom device or a Secure Access Control device that can be associated with the Network Dual Door Strike Relay. See the CyberData website for the full list of CyberData devices that can be associated with the Network Dual Door Strike Relay.

The Dual Door Strike Relay can be configured to pulse for a set amount of time, configured on the web page in seconds, or to activate until de-activated. In AirLock Mode, the activation of the second relay depends upon the activation of the first relay, and the opening and closing of the first door.

1. Click on the **DSR** menu button to open the **DSR** page (Figure 2-9).








Figure 2-9. DSR Page (not associated with any DSRs)



- On the **DSR** page, enter values for the parameters indicated in [Table 2-5](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-5. DSR Configuration Parameters (not associated with any DSRs)

Web Page Item	Description
Remote Relay Settings	The settings in this section will activate an associated door strike relay.
	Click the Save button to save your configuration settings. Note: You need to reboot for changes to take effect.
	Click on the Reboot button to reboot the system.
	Click on the Toggle Help button to see a short description of some of the web page items. First click on the Toggle Help button, and you will see a question mark (?) appear next to some of the web page items. Move the mouse pointer to hover over a question mark to see a short description of a specific web page item.
Discovered Remote Relays	The Discovered Remote Relays section lists all of the networked door strike relays on the network. To associate your device with a door strike relay, click on the Associate button. This action allows the user to configure the door strike relay. Keep in mind that a device may only be associated with one door strike relay.
Product Type	Displays the product type of the remote relay.
IP Address	Displays the IP address of the remote relay.
MAC Address	Displays the MAC address of the remote relay.
Serial Number	Displays the serial number of the remote relay.
Name	Displays the name of the remote relay.
Version	Displays the version of the remote relay.
	Use this button to search for and find any remote relays that are available on the network.
	Use this button to view the settings of a remote relay that has been “discovered” after pressing the Discover button.
	Use this button to associate the remote relay with the device. Only one relay may be associated with a device.
	Use this button to disassociate the remote relay from the device. Only one relay may be associated with a device. This button is only available when a relay is associated with a device.

2.3.1 Configuring the Network Dual Door Strike Relay

1. To access the Network Dual Door Strike Relay, you must first associate it with your CyberData device by clicking on the **Associate** button (Figure 2-10).

Figure 2-10. View Button and Associate Button

DoorLock	10.10.1.19	00:20:F7:03:54:BE	375000016	LOCK375000016	vx.x.x	View	Associate
----------	------------	-------------------	-----------	---------------	--------	------	-----------

View button Associate button

2. Once the door strike relay is associated, the **View** button (Figure 2-10) will change to the **Config** button (Figure 2-11).
3. Click on the **Config** button (Figure 2-11) to open the **Configure Device Page** (Figure 2-12).

Figure 2-11. Config Button

DoorLock	10.10.1.19	00:20:F7:03:54:BE	375000016	LOCK375000016	vx.x.x	Config	Disassociate
----------	------------	-------------------	-----------	---------------	--------	--------	--------------

Config button

Figure 2-12. Configure Device Page

Configure Device

Serial Number	<input type="text" value="375200184"/>	<div style="margin-bottom: 5px;">Get Log</div> <div style="margin-bottom: 5px;">Clear Log</div> <div style="margin-bottom: 5px;">DSRReboot</div> <div style="margin-bottom: 5px;">Set Time</div> <div style="margin-bottom: 5px;">Save Changes</div> <div style="margin-bottom: 5px;">Cancel</div>
MAC Address	<input type="text" value="00:20:f7:04:b3:5c"/>	
Version	<input type="text" value="v5.0.3"/>	
Device Name	<input type="text" value="LOCK375200184"/>	
Addressing Mode	<input type="radio"/> Static <input checked="" type="radio"/> DHCP	
IP Address:	<input type="text" value="10.10.0.209"/>	
Subnet Mask:	<input type="text" value="255.0.0.0"/>	
Default Gateway:	<input type="text" value="10.0.0.1"/>	
Command Port:	<input type="text" value="59999"/>	
Send Events	<input checked="" type="radio"/> Off <input type="radio"/> On	
Event IP Address:	<input type="text" value="255.255.255.255"/>	
Event Port:	<input type="text" value="49999"/>	
Energize Time:	<input type="text" value="6"/>	
Encryption:	<input checked="" type="radio"/> None <input type="radio"/> AES-256	
Password:	<input type="password"/>	

Door State	<input type="text" value="open"/>
Relay State	<input type="text" value="inactive"/>
Button State	<input type="text" value="inactive"/>
Door2 State	<input type="text" value="open"/>
Relay2 State	<input type="text" value="inactive"/>
Button2 State	<input type="text" value="inactive"/>
LED	<input type="text" value="red"/>
Alarm State	<input type="text" value="normal"/>
JP4, 6, 9, 10	<input type="text" value="0000"/>

2.3.2 Configuring the Associated Network Dual Door Strike Relay

Figure 2-13. DSR Page

HomeDeviceNetworkSIPSSLSensorAudiofilesEventsDSRAutoprovFirmware

CyberData Device

Remote Relay Settings

Associated with 375200184 (10.10.0.209)

Relay	DTMF Code	Duration		
Relay 1:	321	2	Pulse	Deactivate
Relay 2:	456	2	Pulse	Deactivate
Both Relays:	654	2	Pulse	Deactivate
Enter Airlock:	789		Enter	Deactivate
Exit Airlock:	987		Exit	Deactivate

Note: A duration of 0 will permanently trigger the relay.

Remote Door Sensor Settings

Door Open Timeout (in seconds): 0

Make call to extension: ☐

Play recorded audio: ☐

Dial Out Extension: 204

Dial Out ID: id204

SaveRebootToggle Help

Remote Relay Status

Door 1: open Relay 1: inactive

Door 2: open Relay 2: inactive

Refresh

The Remote Relay Status section and settings only appear on the webpage when there is an associated door strike relay.

Discovered Remote Relays

Product Type	IP Address	MAC Address	Serial Number	Name	Version	
DoorLock	10.10.0.209	00:20:f7:04:b3:5c	375200184	LOCK375200184	VX.X.X	ConfigDisassociate
DoorLock	10.10.1.26	00:20:f7:04:d6:21	375200206	LOCK375200206	VX.X.X	View

Discover

4. On the **DSR** page, enter values for the parameters indicated in [Table 2-6](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-6. DSR Configuration Parameters (Manual Mode)





Web Page Item	Description
Remote Relay Settings	The settings in this section will activate an associated door strike relay.
Relay 1: DTMF code: ?	<p>Activation code used to activate the remote relay 1 (DSR) when entered on a phone during a SIP call with the device. Enter up to 25 digits (* and # are supported).</p> <p>Note: A duration of 0 will trigger the relay indefinitely, until deactivated from the web page, or the DTMF code is entered.</p>
Relay2: DTMF code: ?	<p>Activation code used to activate the remote relay 2 (DSR) when entered on a phone during a SIP call with the device. Enter up to 25 digits (* and # are supported).</p> <p>Note: A duration of 0 will trigger the relay indefinitely, until deactivated from the web page, or the DTMF code is entered.</p>
Both Relays: DTMF code: ?	<p>Activation code used to activate both remote relays (DSR) when entered on a phone during a SIP call with the device. Enter up to 25 digits (* and # are supported).</p> <p>Note: A duration of 0 will trigger the relay indefinitely, until deactivated from the web page, or the DTMF code is entered.</p>
Enter Airlock: DTMF Code: ?	Activation code used to enter airlock (DSR) when entered on a phone during a SIP call with the device. Enter up to 25 digits (* and # are supported).
Exit Airlock: DTMF Code: ?	Activation code used to enter airlock (DSR) when entered on a phone during a SIP call with the device. Enter up to 25 digits (* and # are supported).
	Click on the Pulse button to activate the relevant relay(s) for the time configured in the Duration setting.
	Click on the Deactivate button to deactivate the relevant relay(s).
	Click on the Enter button to enter and exit airlock.
	Click on the Exit button to exit airlock.
Remote Door Sensor Settings	
Door Open Timeout (in seconds) ?	The time (in seconds) the device will wait before it performs an action when the remote (DSR) door sensor is activated. The action(s) performed are based on the configured Remote Door Sensor Settings below.
Make call to extension ?	When selected, the device will call an extension when the remote (DSR) door sensor is activated. Use the 'Dial Out Extension' field below to specify the extension the device will call.

Table 2-6. DSR Configuration Parameters (Manual Mode)(continued)













Web Page Item	Description
Play recorded audio 	When selected, the device will call the Dial Out Extension and play an audio file to the phone answering the SIP call (corresponds to Door Ajar on the Audiofiles page) when the remote (DSR) door sensor is activated.
Dial Out Extension 	Specify the extension the device will call when the remote (DSR) door sensor is activated. Enter up to 64 alphanumeric characters.
Dial Out ID 	An additional Caller identification string added to outbound calls. Enter up to 64 alphanumeric characters.
	Click the Save button to save your configuration settings. Note: You need to reboot for changes to take effect.
	Click on the Reboot button to reboot the system.
	Click on the Toggle Help button to see a short description of some of the web page items. First click on the Toggle Help button, and you will see a question mark () appear next to some of the web page items. Move the mouse pointer to hover over a question mark to see a short description of a specific web page item.
Remote Relay Status	Note: The Remote Relay Status section and settings only appear on the webpage when there is an associated door strike relay.
Door 1	Shows the status of Door 1.
Door 2	Shows the status of Door 2.
Relay 1	Shows the status of the Relay 1.
Relay 2	Shows the status of the Relay 2.
	Click on the Refresh button to refresh the web page and accurately display the status of the remote relay (active/inactive) and door (open/closed).
Discovered Remote Relays	The Discovered Remote Relays section lists all of the networked door strike relays on the network. To associate your device with a door strike relay, click on the Associate button. This action allows the user to configure the door strike relay. Keep in mind that a device may only be associated with one door strike relay.
Product Type	Displays the product type of the remote relay.
IP Address	Displays the IP address of the remote relay.
MAC Address	Displays the MAC address of the remote relay.
Serial Number	Displays the serial number of the remote relay.
Name	Displays the name of the remote relay.
Version	Displays the version of the remote relay.
	Click on the Discover button to search for and find any remote relays that are available on the network.
	Click on the Config button to view the settings of a remote relay that has been discovered after pressing the Discover button.

Table 2-6. DSR Configuration Parameters (Manual Mode)(continued)

Web Page Item	Description
	Click on the Disassociate button to disassociate the remote relay from the device. Only one relay may be associated with a device. This button is only available when a relay is associated with a device.
	Click on the View button to view the settings of a remote relay that has been discovered after pressing the Discover button.

Appendix A: Troubleshooting/Technical Support

A.1 Frequently Asked Questions (FAQ)

To see a list of frequently asked questions for your product, do one of the following:

1. Go to the following URL:

<https://www.cyberdata.net/products/011375/>

2. Click on the **FAQs** tab.

A.2 Documentation

The documentation for this product is released in an English language version only. You can download PDF copies of CyberData product documentation by doing one of the following:

1. Go to the following URL:

<https://www.cyberdata.net/products/011375/>

2. Click on the **Downloads** tab.

A.3 Contact Information

Contact	<p>CyberData Corporation 3 Justin Court Monterey, CA 93940 USA www.CyberData.net Phone: 800-CYBERDATA (800-292-3732) Fax: 831-373-4193</p>
Sales	<p>Sales 831-373-2601, Extension 334</p>
Technical Support	<p>The fastest way to get technical support for your VoIP product is to submit a VoIP Technical Support form at the following website:</p> <p>https://support.cyberdata.net/</p> <p>The Support Form initiates a ticket which CyberData uses for tracking customer requests. Most importantly, the Support Form tells us which PBX system and software version that you are using, the make and model of the switch, and other important information. This information is essential for troubleshooting. Please also include as much detail as possible in the Comments section of the Support Form.</p> <p>Phone: (831) 373-2601, Extension 333</p>

A.4 Warranty and RMA Information

The most recent warranty and RMA information is available at the following website address:

<https://support.cyberdata.net/>

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