Image Sensing Systems RTMS Echo Contact Closure User Guide

Contact Closure
Quick Start Guide

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RTMS Echo Contact Closure

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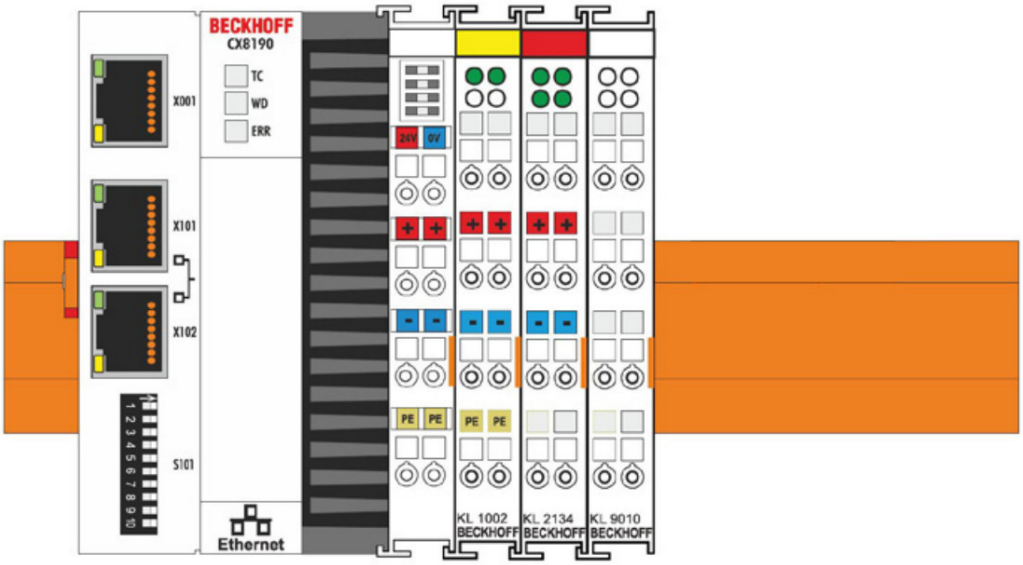
Install the contact closure module on a DIN rail.

The following equipment will be needed for the installation process.

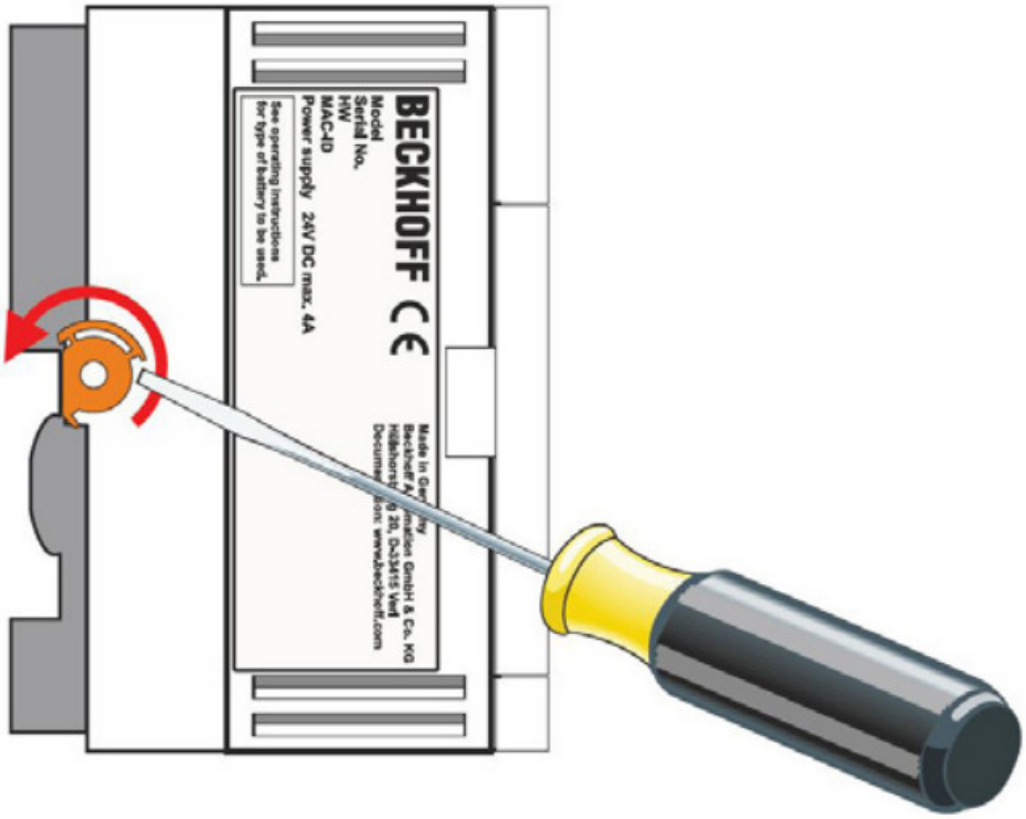
- Mounting rail of type TS35/7.5 or TS35/15 according to DIN EN 60715
- Screwdriver

Secure the contact closure module on the mounting rail as follows:

1. Place the contact closure module at the front of the mounting rail. Slightly press the contact closure module onto the mounting rail until a soft click can be heard and the contact closure module has latched.

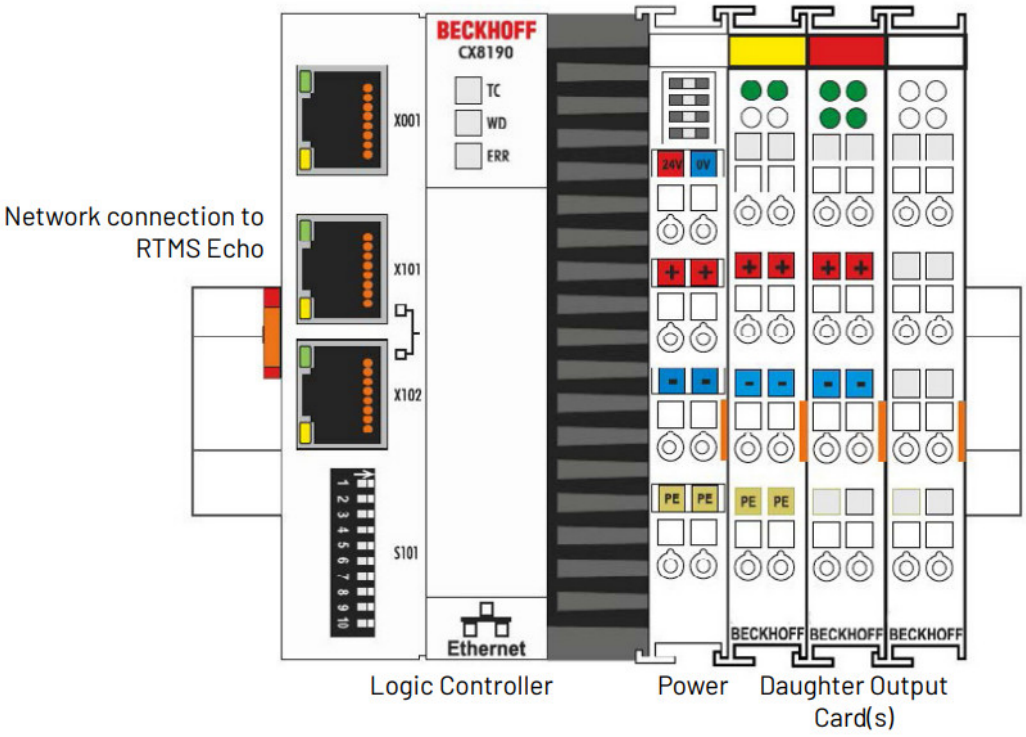


2. Subsequently, lock the catch on the left side of the contact closure module.
   NOTE: Use a screwdriver to do this.



3. Double-check the correct installation and latching of the contact closure module on the mounting rail.

Attach output daughter cards (maximum of 3).



Connect to power in the cabinet.

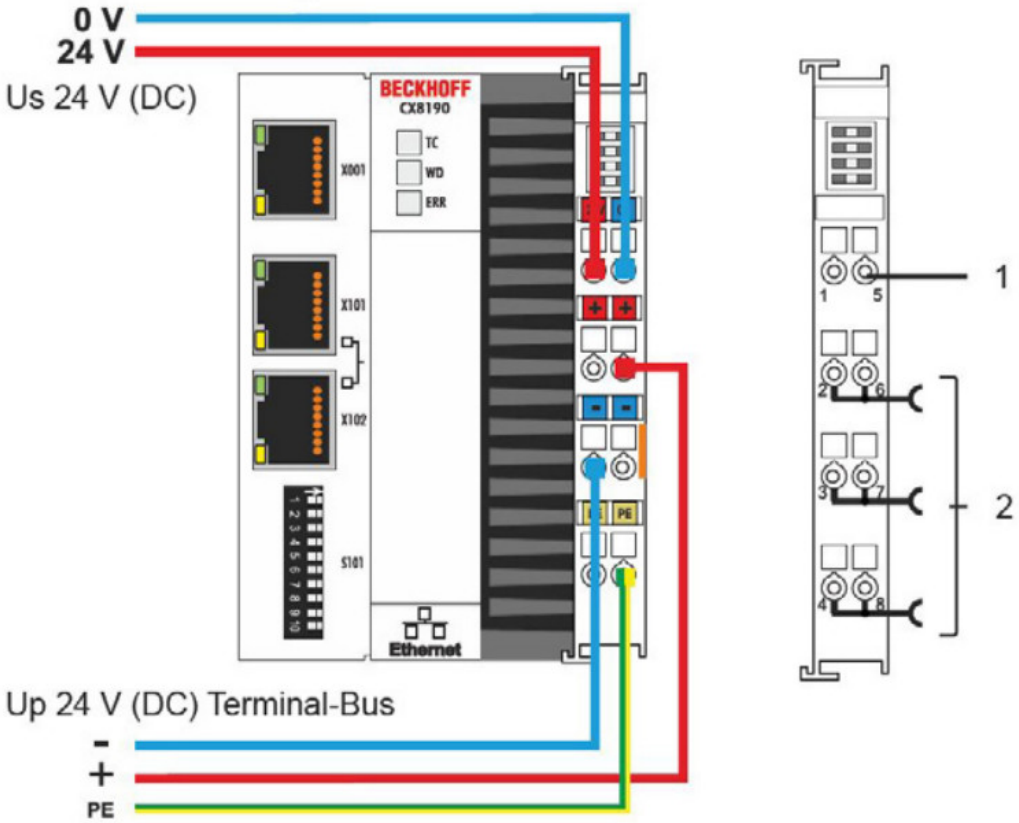
The cabling of the contact closure module in the control cabinet must be done in accordance with the standard EN 60204-1:2006 PELV (Protective Extra Low Voltage):

- The “PE” and “0V” conductors of the voltage source for a basic CPU module must be on the same potential

(connected in the control cabinet).

- Standard EN 60204-1:2006, section 6.4.1:b stipulates that one side of the circuit, or a point of the energy source for this circuit must be connected to the protective earth conductor system.

Connection Example:

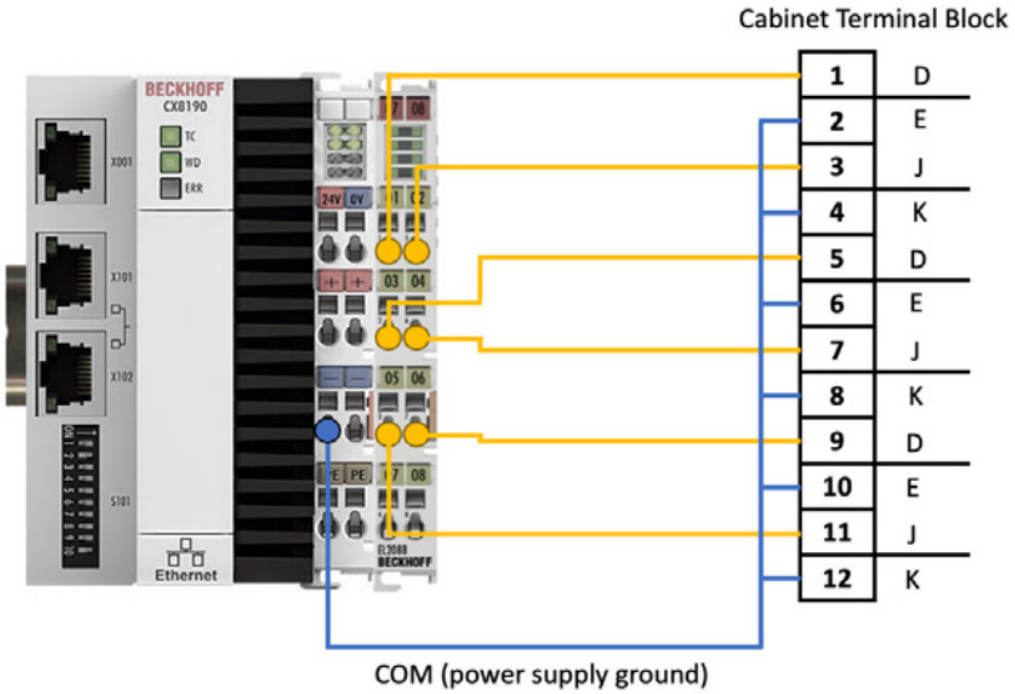


Legend for the Connection Example

No.	Description
1	The upper spring-loaded terminals identified with “24V” and “0V” supply the contact clo sure module and the terminal bus (data transfer via K-bus or E-bus).
2	The spring-loaded terminals identified as “+”, “-” and “PE” supply the Bus Terminals via t he power contacts and the sensors or actuators connected to the Bus Terminals.

Wire the controller.

1. Output wiring for typical NEMA controller:



2. Power up the system after wiring to the controller.

Configure the IP address of the contact closure module.

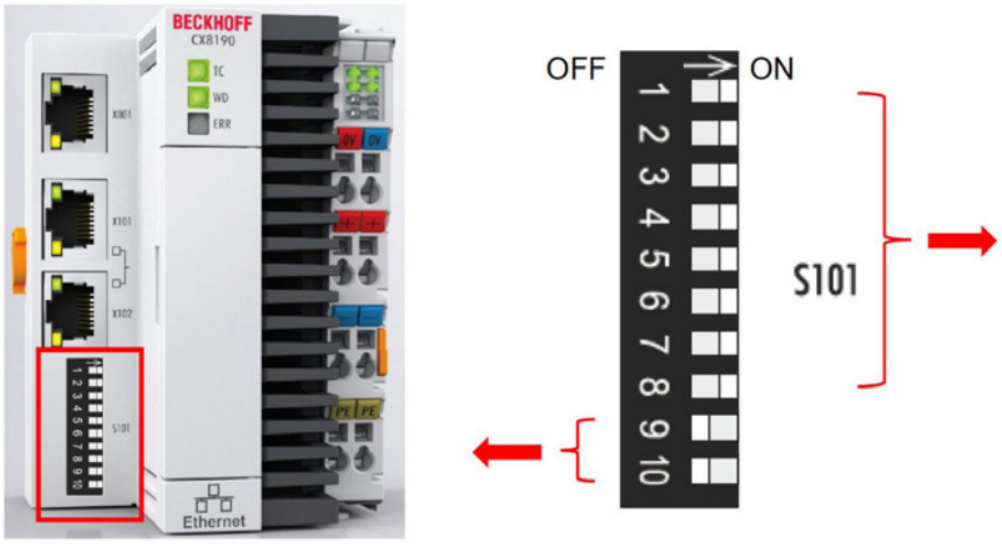
The contact closure module will be preset to use the following IP addresses:

- Port X001 (maintenance) – 192.168.0.11
- Port X101/X102 (data) – 192.168.127.254

NOTES:

- The IP address can be changed based on the needs of your network.
- You must have an active network connection to port X101.

1. Connect the Echo Ethernet port and CX8190 X101 Ethernet.
2. Verify the DIP switch match the following settings:
   • Switches 1-8 are in the ON position while switches 9 and 10 are in the OFF position.



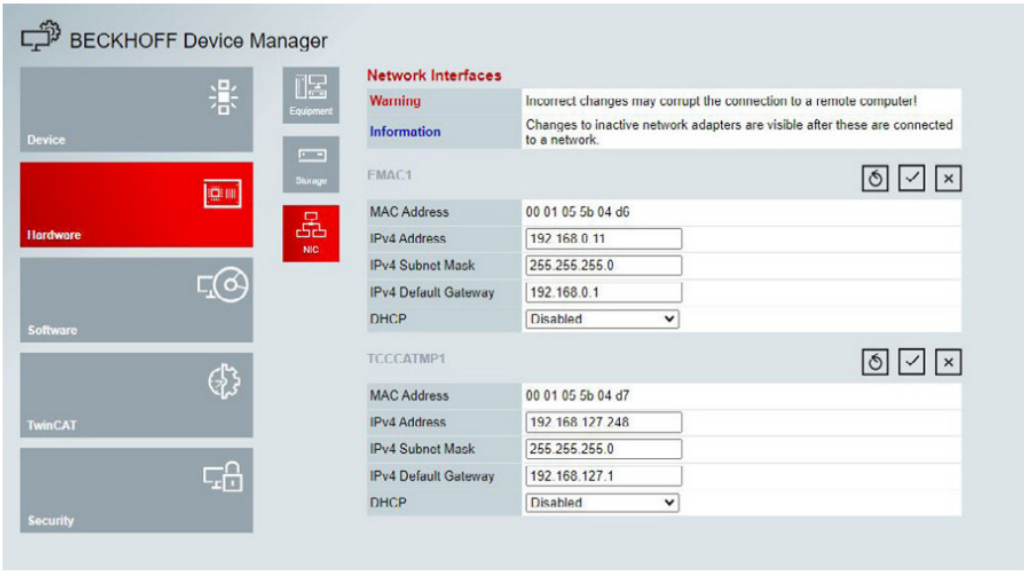
3. Set the IP address of your PC to 192.168.0.99
4. Connect the network cable of your PC to the maintenance port X001.

Log in to the local network.

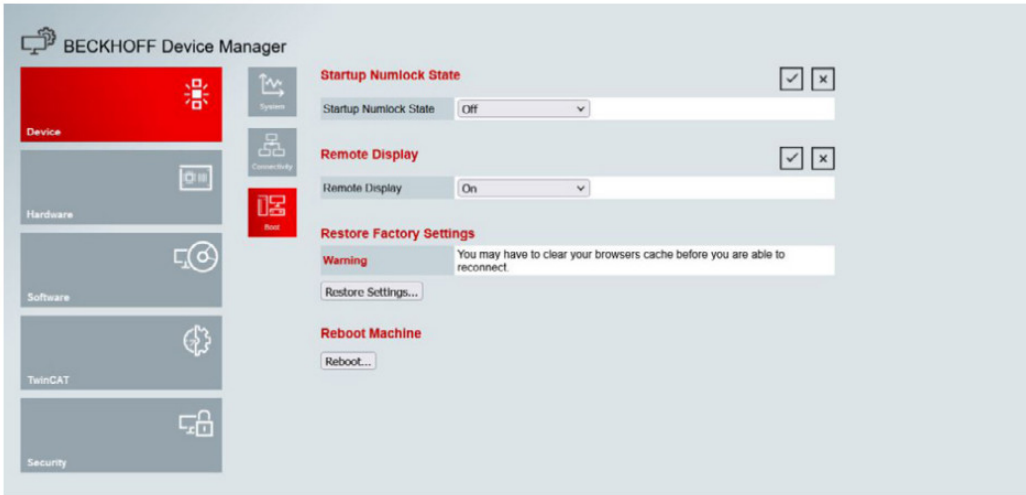
1. Open an Internet Browser and navigate to the following URL: **https://192.168.0.11/config**
2. Enter login credentials:
   - Username: administrator
   - Password: Echo123

Configure for the local network.

1. In the Hardware section, click NIC.



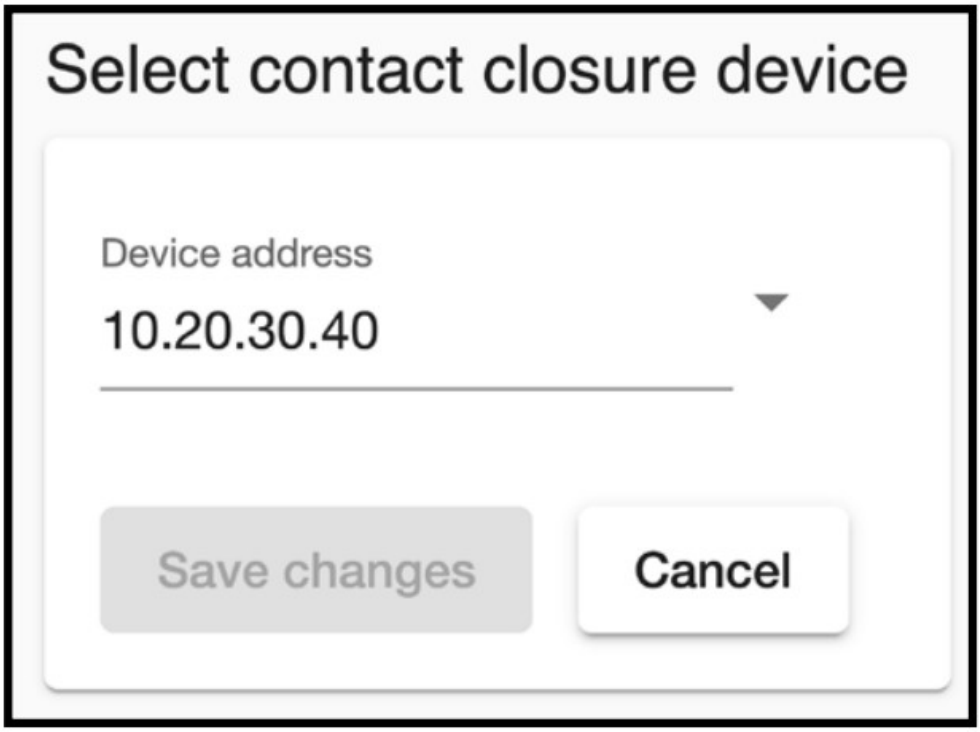
2. Set “TCCATMP1” address and default gateway to desired subnet.
3. Click the check mark button after the network changes have been made to TCCATMP1.
4. In the Device section, click Boot.



5. Click the Reboot button at the bottom of the screen to reboot the system.
6. Verify the IP address after the reboot.

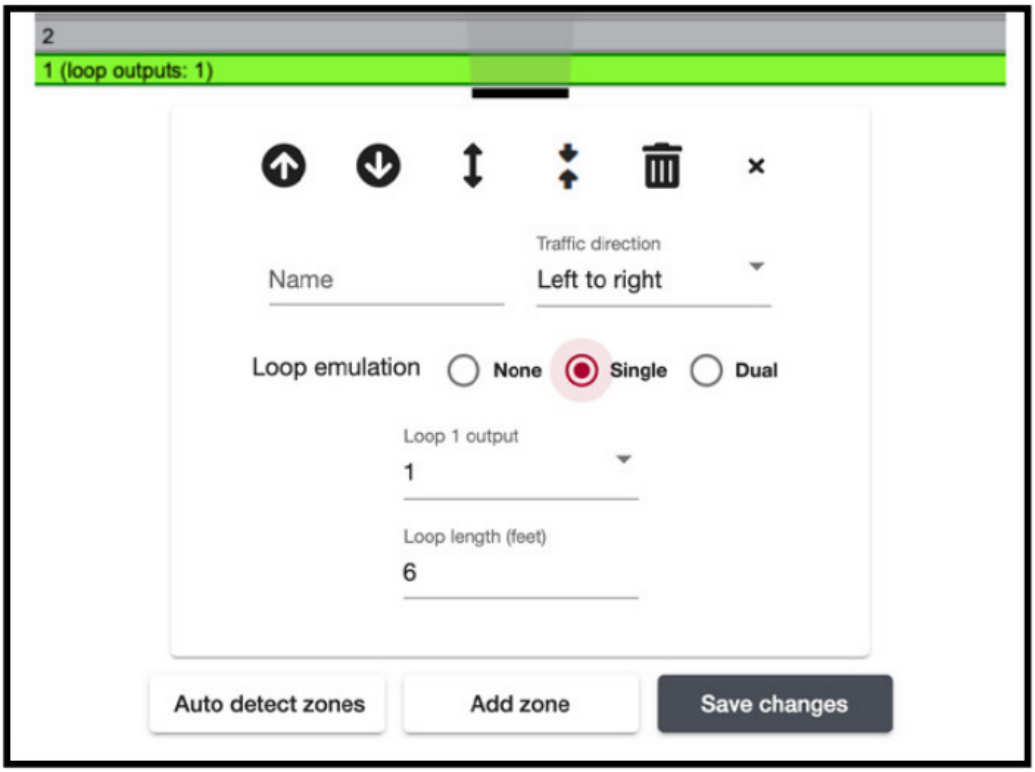
Connect to the RTMS Echo.

1. Log in to the RTMS Echo. See “Logging in to the RTMS Echo” in the RTMS Echo User Guide.
2. Click the Settings tab.
3. In the Contact closure device section, click Change.



4. Use the drop-down to select the IP address of the contact closure module.
5. Click Save changes.

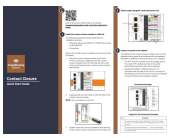
Contact closure options will now be configurable for each zone in the “Zones” tab.



For information on using the software, refer to the RTMS Echo User Guide.

Website: www.imagesensing.com
Email: service@imagesensing.com
A700-1295-2 Rev B

Documents / Resources

	Image Sensing Systems RTMS Echo Contact Closure [pdf] User Guide RTMS Echo Contact Closure, RTMS Echo, Contact Closure

References

- RTMS Echo Online Help
- Image Sensing Systems - Precision decisions.