

Contact Closure

ENL-DCC-01



SPECIFICATION

The Contact Closure, sourced from Barix and certified by Enlighted, integrates the Enlighted Lighting network with other equipment throughout the building. In response to a Contact Closure input from a Building Management System, Security system, or Fire system, all or selective zones will be turned to full power on.



OVERVIEW

The Contact Closure flexible I/O device bridges the Enlighted sensors and devices with the Enlighted Lighting Control network. When the input ports are triggered, the Contact Closure broadcasts to the Enlighted Lighting Control network to perform the required function programmed from the Manage Graphical User Interface (GUI). Each Contact Closure can be configured for up to four momentary digital inputs, and a maximum of up to ten Contact Closures can be supported by each Enlighted's Manage. The Manage provides a secure web-based interface to monitor, manage, and analyze energy savings and other data collected by the Enlighted Smart Sensor network.

Contact Closure

Length	4.13"	105 mm
Width	3.34"	85 mm
Height	1.25"	31 mm
Weight	135 g	

FEATURES

Optimize Safety: When power is switched off in a building or area for any reason, the Contact Closure forces all lights to turn on when desired.

Better Control: The Contact Closure can be programmed to turn all or selective lights to any light level including full-on. One or more switch groups in an area control the lights, providing the most flexibility in managing fixture light levels.

Increase Energy Savings: By returning all lights to normal lighting profiles specified in the Enlighted lighting network, the Contact Closure eliminates energy waste due to lights turned on to the maximum capacity.

Four Digital Momentary Inputs: Up to four momentary digital inputs can be programmed to trigger any of the following actions.

- Set all fixtures in Manage to Percentage
- Set all fixtures in Switch Group to Scene
- Set all fixtures to Auto mode
- Set all fixtures in Switch Group to Auto mode

POWER SUPPLY

The Contact Closure can be powered by compliant replacement Exstreamer 100 Power Supply from Barix.

- Plug in Class 2 Transformer
- Input: 120 VAC 60 Hz 12 W
- Output: 12 VAC 500 mA

NETWORK IP ADDRESSABILITY

The Contact Closure must get the IP address only from the Manage DHCP. This applies to all models: Manage (EM-2-02), Midrange Enlighted Manage (EM-2-03), Enterprise Enlighted Manage (EM-03-01). Refer to the Manage spec sheets. Since the IP address is provided by an on-premise device, this device cannot be installed in an Enlighted Manage in the Cloud (EMC) installation.

Note: The device comes preloaded with standard firmware. Ensure you are running firmware VB2.02 and above. Download firmware from www.barix.com

ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

Job Number:

Product Code:

 ENL-DCC-01

Contact Closure



CONFIGURING CONTACT CLOSURE

The Enlighted Contact Closure accepts four momentary input controls. Each input control can be programmed to perform any of the following action when the trigger goes from open to close (0 to 1).

- **Set all Fixtures in Manage to a Percentage (1-100%):** All lights configured in the Energy Manager can be set to a light level value between 1 to 100%. Lights are full-on at 100 percent.
- **Set all Fixtures in Switch Group to a Scene:** Returns the lighting profile values defined for fixtures belonging to a switch group for the scene.
- **Set all Fixtures in EM to Auto Mode:** Returns all lights to their assigned fixture profile light levels.



WIRING AND OPERATIONS

Up to a maximum of ten Contact Closures can be connected to Manage via the Gateway Network to one of the Ethernet ports on the PoE Switch.

Press the Discover button in the Manage Contact Closure Configuration screen to view the MAC and IP Addresses as shown in the following screen shot.

MAC Address	IP Address	Action
08:e1:54d:3c	169.254.0.6	Edit Remove
08:e1:54d:cf	169.254.0.5	Edit Remove

The following screenshot shows the editing options for the selected Contact Closures. For further information on configuring and programming contact closure devices, see the Manage System Administrative Guide.

Contact Closure	Action	Switch Group	Percentage(1-100)	Duration(In Minutes)
Input 1	Set all fixtures in Energy Manager to %	NA	80	5
Input 2	Set all fixtures in Switch Group to %	1 selected	20	5
Input 3	Set all fixtures in Energy Manager to Auto mode	NA		Specify time
Input 4	Set all fixtures in Energy Manager to %	NA	20	3

TECHNICAL SPECIFICATIONS

Power Supply: 9.30 VDC, 4 W maximum

Supply Voltage: 9-30 VDC

Environmental Specs:

Operating Environment: 32° to 104° F / 0° to +50° C

Storage Temperature: 32° to 104° F / 0° to +50° C

Operating Humidity: 0 - 70% relative humidity, non-condensing

MTBF Min. 800 000h acc. to MIL217 F at 25° C ambient temperature

ORDERING INFORMATION

ENL-DCC-01 Enlighted Contact Closure

COMPLIANCE

CE A, FCC A

RoHS compliant (lead-free)

WARRANTY: One year

View www.enlightedinc.com/limited-warranty-terms for complete terms and conditions