



Configuring Contact Closure Profiles

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Each Cisco Analog Video Gateway module comes with eight contact closure interfaces. Four contact closure interfaces can be configured as alarm inputs or as contact closure relay outputs. The other four contact closure interfaces are for inputs only. Alarm interfaces can be used to detect contact trigger events and to control external devices.

The Cisco Analog Video Gateway is designed to interact with local or remote controllers to manage and control the contact closure interfaces. Alarm interfaces are set to their proper states and monitor trigger events. When an alarm is detected, the source and severity of the alarm are determined, the system log file is updated, and predefined HTTP messages are sent to the controllers. For example, in response to the nature of the alarm, the alarm can request the Cisco Analog Video Gateway to adjust the camera, begin video streaming, or trigger the external devices.

The Cisco Analog Video Gateway has eight preconfigured contact closure ports. The contact closure ports have the following default configuration. You can only *modify* a contact closure port; you cannot *add* or *delete* a contact closure port.

Use the **contactclosure-port** command to configure the specified contact closure interface profile.

Whenever possible, configuration and management of the Cisco Analog Video Gateway module should be configured using the Video Surveillance Operations Manager (VSOM) graphical user interface.



Note

In the VSOM, the state change from *open-to-close* is considered *falling* and the state change from *close-to-open* is considered *rising*.

SUMMARY STEPS

1. **configure terminal**
2. **contactclosure-port** *portnum*
3. [**default** | **description** | **direction** | **relaystate** | **state**]
4. **end**
5. **exit**
6. **show contactclosure-port** *portnum*
or
show contactclosure-port hw-state
or
show contactclosure-port summary

DETAILED STEPS

	Command or Action	Purpose
Step 1	<code>configure terminal</code> Example: Router# configure terminal	Enters global configuration mode.
Step 2	<code>contactclosure-port portnum</code> Example: VSE-Module(config)> contactclosure-port 0 Modifying existing port VSE-Module(config-contactclosure-port)>	Enters contact closure port configuration profile mode. <i>portnum</i> : Contact closure ports. Integer value in the range of 0 to 7.
Step 3	<code>[default description direction relaystate state]</code> Example: VSE-Module(config)> contactclosure-port 0 Modifying existing port VSE-Module(config-contactclosure-port)> description "contact closure port 0 config" VSE-Module(config-contactclosure-port)> direction in VSE-Module(config-contactclosure-port)> relaystate close VSE-Module(config-contactclosure-port)> state enabled VSE-Module(config-contactclosure-port)> VSE-Module(config-contactclosure-port)> VSE-Module(config-contactclosure-port)> end VSE-Module(config)> exit VSE-Module >	Configures a contact closure port profile. default : Contact closure default values. Use the no form of this command to remove the default values. description : Contact closure text description in quotes. Up to 80 text characters are allowed. direction : Contact closure for output direction applies only to ports 0 to 3. Contact closure for the input direction applies to all contact closure ports. Default: in. relaystate : Contact closure relay state: open or close. Default: open. state : Operational state of the contact closure port: enabled or disabled. Default: disabled.
Step 4	<code>end</code> Example: VSE-Module(config-contactclosure-port)> end	Exits contact closure port configuration.
Step 5	<code>exit</code> Example: VSE-Module(config)> exit	Exits global configuration mode.
Step 6	<code>show contactclosure-port portnum</code> OR <code>show contactclosure-port hw-state</code> OR <code>show contactclosure-port summary</code> Example: VSE-Module> show contactclosure-port 0	Displays the contact closure configuration parameters for a specified port, displays the hardware state for all contact closure ports, or displays the contact closure port summary.

Examples

The following example shows the contact closure configuration parameters for a specified port 0:

```
vse-module> show contactclosure-port 0
description "contact closure port 0 config"
state enabled
direction in
relayState close
```

The following example shows the hardware state (open or close) for every contact closure port:

```
vse-module> show contactclosure-port hw-state
0: close
1: close
2: close
3: close
4: close
5: close
6: close
7: close
```

The following example shows the contact closure port summary:

```
vse-module> show contactclosure-port summary
port  state  direction  relayState
=====
0      ena     in         close
1      dis     in         open
2      dis     in         open
3      dis     in         open
4      dis     in         open
5      dis     in         open
6      dis     in         open
7      dis     in         open
```

