Alarm Port on DGS-3420/3620

Definition

The alarm connector can be used to use external devices when triggered events occur.

Hardware design

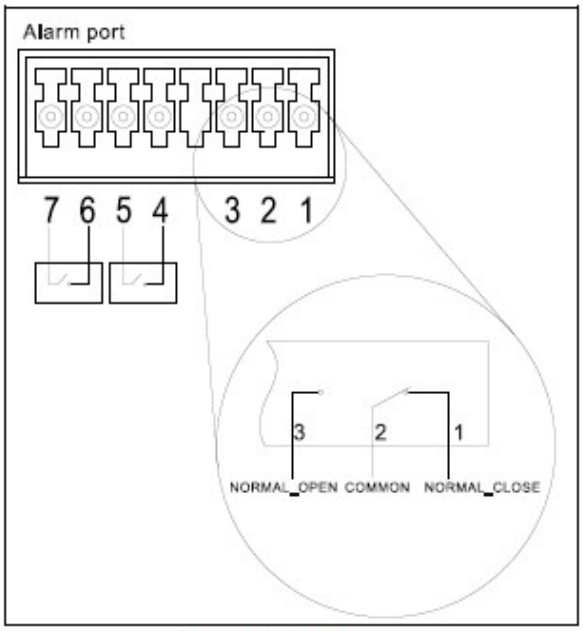

Figure 2-4. Alarm Connector

Alarm Connector Port	
Contact	**Description**
1	Output. Normal Closed Pin. (42VAC or 60VDC)
2	Output. Common Pin. (42VAC or 60VDC)
3	Output. Normal Open Pin. (42VAC or 60VDC)
4	Input 2.
5	Input 2.
6	Input 1.
7	Input 1.

- Input signal will use pin 4, 5, 6, 7
- Output signal will use pin 1, 2, 3
- Connect the alarm input pins on the switch to the alarm output terminals on other devices.

CLI Command

- config external_alarm {unit < unit_id>} channel <value 1-2> message <sentence 1-128>
- Channel 1 uses pin 6 and ping 7
- Channel 2 uses pin 4 and ping 5
- Channel 1 and Channel 2 belongs to input signal

Example:

Configuration:

```
Dxx-xxxx:4#config external_alarm channel 1 message The Door Is Open
Command: config external_alarm channel 1 message The Door Is Open
Success.
Dxx-xxxx:4#config external_alarm channel 2 message Smoke Is Detected
Command: config external_alarm channel 2 message Smoke Is Detected
Success.
Dxx-xxxx:4#
```

Scenario 1:

If the door is opened, the door sensor will send a signal to DGS-3420/3620 and trigger pin6 and pin7 to be closed.

Then DGS-3420/3620 will cause pin2 and pin3 to be closed and trigger event on the other device which has its input pins connect to pin2 and pin3 of DGS-3420/3620.

Scenario 2:

If the smoke is detected, the smoke sensor will send a signal to DGS-3420/3620 and trigger pin4 and pin5 to be closed.

Then DGS-3420/3620 will cause pin2 and pin3 to be closed and trigger event on the other device which has its input pins connect to pin2 and pin3 of DGS-3420/3620.