



surf

LTE Alarm System Communicator

**Interlogix Alarm Panels
Installation Guide**

V1.6

Firmware V1.0

Contents

- 1. Dial Capture (Tip/Ring) Monitoring & Keyswitch..... 3
 - a. Wiring Diagram 3
 - i. Concord/Concord Express..... 3
 - ii. NX4/NX6V2/NX8_8V2/NX8E..... 4
 - b. Programming Instructions 4
 - i. Concord 4
 - ii. Concord Express..... 5
 - iii. NX4..... 5
 - iv. NX6V2/NX8_8V2/NX8E 6
- 2. Dial Capture (Tip/Ring) Monitoring 6
 - a. Wiring Diagram 7
 - i. Simon XT/XTi/XTi-5 7
 - b. Programming Instructions 7
 - i. Simon XT/XTi/XTi-5 7

1. Dial Capture (Tip/Ring) Monitoring & Keyswitch

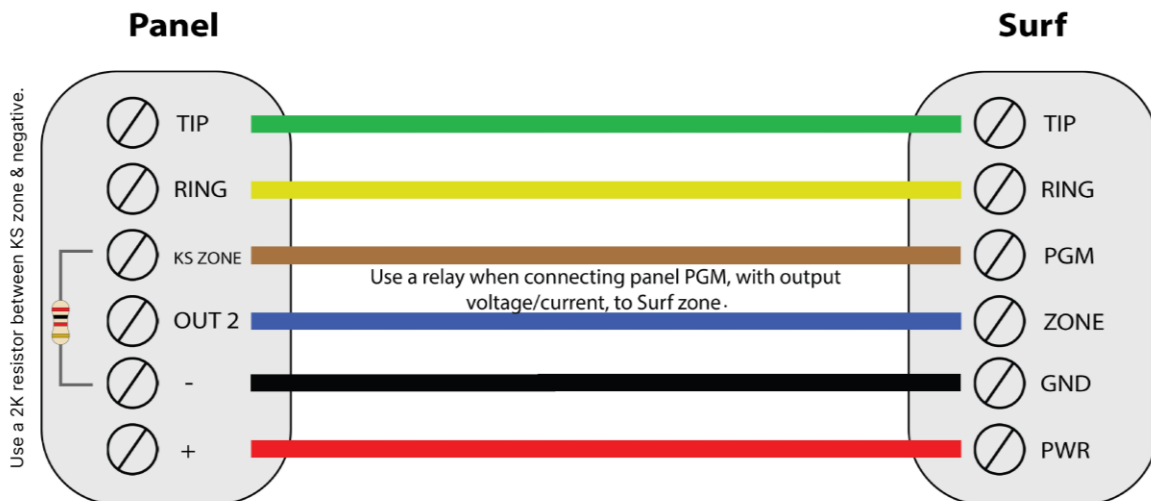
For Interlogix panels that support CID or SIA format, use Tip/Ring and keyswitch to monitor and control your system remotely.

After installation, for proper partition mapping onto Aryo cloud and keyswitch arming, follow the instructions below:

- *Partition mapping:* Operate on the alarm panel and send signals from each partition. Then, wait for the corresponding event on Aryo cloud, before initiating the next signal.
- *Keyswitch arming:* Enable keyswitch arming for the intended partition via Aryo cloud settings. Arm/disarm the partition from the user app. Then, wait for confirmation events on Aryo cloud before initiating subsequent actions.

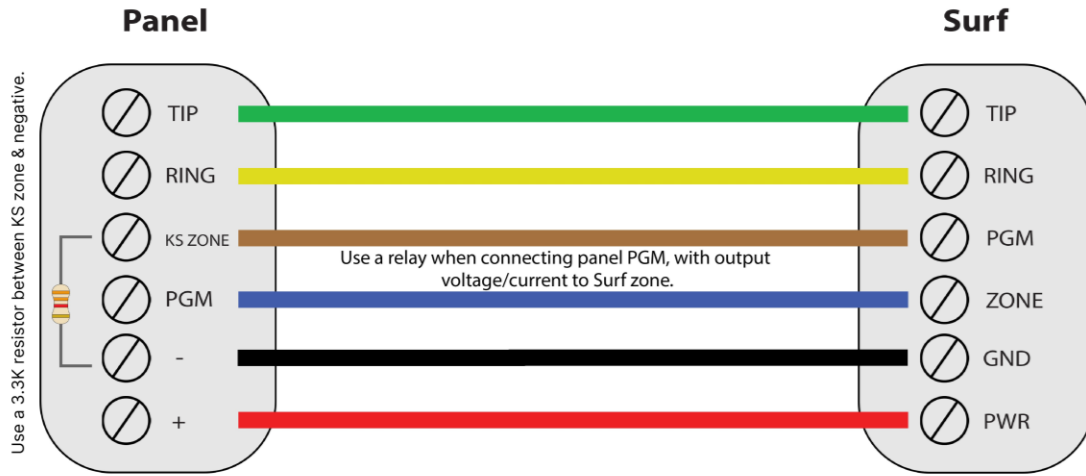
a. Wiring Diagram

i. Concord/Concord Express



*Colours are for demonstration purposes only

ii. NX4/NX6V2/NX8_8V2/NX8E



*Colours are for demonstration purposes only

b. Programming Instructions

To monitor Interlogix alarm panels with dial capture, program your system as described below. Instructions in *italics* are for optional remote arming with keyswitch. PGM on Surf can be connected to any zone programmed as keyswitch for remote arming functionality.

Note that the partition assigned for keyswitch arming (set on both Aryo cloud settings and panel programming), must be the same as the partition assigned for alarm panel PGM. In this programming section, it is assumed that the intended partition for alarm panel PGM1 is partition 1.

i. Concord

Section	Description
0010-0060	Enter an account number for each partition.
01000	Enter any phone number.
01001	Turn on to enable high-level reports.
01004	Turn on to enable open/close reports.
01006	Enter 1 for SIA or 2 for CID reporting.
06100-06600	Turn on to enable opening reports.

06101-06601	Turn on to enable closing reports.
0014	<i>Assign a keyswitch zone to partition 1.</i>
0015-0025	<i>Enter 1 to set the keyswitch style to Transition.</i>
080 or 083	<i>Program (learn) or edit the keyswitch zone to G28 NC.</i>
11110	<i>Assign OUT2 to partition 1.</i>
11111	<i>Set OUT2 configuration to 00903 to monitor armed status.</i>

ii. Concord Express

Section	Description
0010	Enter an account number for the panel.
0100	Enter any phone number.
0101	Turn on to enable high-level reports.
0103	Turn on to enable open/close reports.
0105	Enter 1 for SIA or 2 for CID reporting.
0510	Turn on to enable opening reports.
0511	Turn on to enable closing reports.
0015	<i>Assign a keyswitch zone to partition 1.</i>
070 or 073	<i>Program (learn) or edit the keyswitch zone to G28 NC.</i>
09110	<i>Set OUT2 configuration to 00903 to monitor armed status.</i>

iii. NX4

Section	Description
Location 0	Enter any phone number.
Location 1	Enter an account number.
Location 2	Select 13 for CID or 14 for SIA reporting.
Location 4 Segment 1	Select options 1 and 2 to enable alarm/restore and open/close reports.
Location 23 Segment 3	Select options 1 and 3 to enable open/close and alarm restore reports.

<i>Location 47-48</i>	<i>Set an AUX output to 21 for system armed status monitoring.</i>
<i>Location 110-169 (odd-numbered locations)</i>	<i>Enter 3 to set a zone to keyswitch for remote arming.</i>

iv. NX6V2/NX8_8V2/NX8E

Section	Description
Location 0	Enter any phone number.
Location 1	Enter an account number.
Location 2	Select 13 for CID or 14 for SIA reporting.
Location 4 Segment 1	Select options 1 and 2 to enable alarm/restore and open/close reports.
Location 23 Segment 3	Select options 1 and 3 to enable open/close and alarm restore reports.
<i>Location 26</i>	<i>Assign a partition to each zone.</i>
<i>Location 45</i>	<i>Assign a partition to each AUX output.</i>
<i>Location 47</i>	<i>Set AUX output1 to 21 for partition 1 armed status monitoring.</i>
<i>Location 110-169 (odd-numbered locations)</i>	<i>Enter 3 to set a zone to Keyswitch for partition 1 remote arming.</i>

2. Dial Capture (Tip/Ring) Monitoring

For Interlogix alarm panels that support CID or SIA format without keyswitch, use Tip/Ring to monitor your system remotely.

To accurately map alarm panel partitions onto Aryo cloud, operate on the alarm panel and send signals from each partition. Then, wait for the corresponding event on Aryo cloud, before initiating the next signal.

a. Wiring Diagram

i. Simon XT/XTi/XTi-5



**Colours are for demonstration purposes only*

b. Programming Instructions

To monitor Interlogix alarm panels with dial capture, program your system as described below.

i. Simon XT/XTi/XTi-5

Section	Description
Phone #1	Enter any phone number.
Account Number	Enter an account number.
Phone 1 Report Mode	Set reporting mode to All CID or All SIA.
DTMF Dial	Turn on to enable DTMF dialing.
Opening Reports	Turn on to enable opening reports.
Closing Reports	Turn on to enable closing reports.