EPIC SAFETY

surf

LTE Alarm System Communicator

Paradox Alarm Panels

Installation Guide

V1.6

Firmware V1.0

Contents

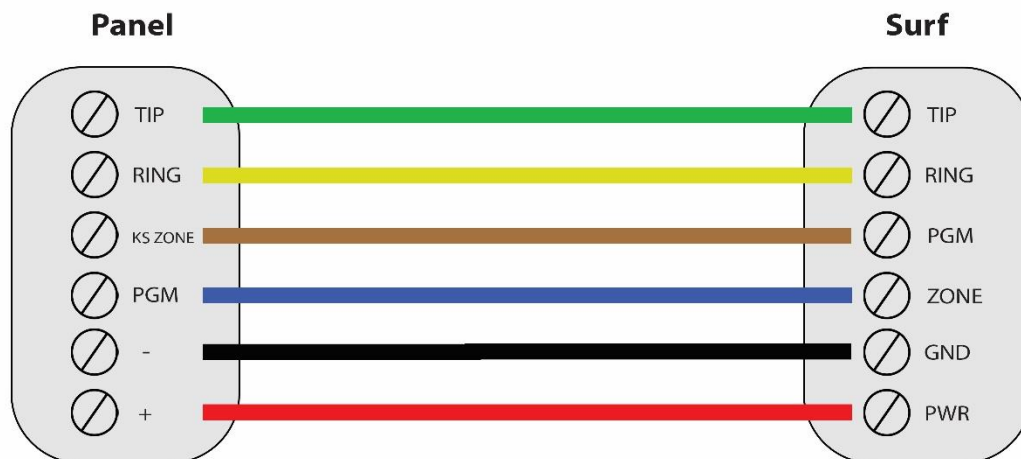# 1. Dial Capture (Tip/Ring) Monitoring & Keyswitch

For Paradox panels that support CID or SIA formats, 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 <u>each</u> 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 (if applicable) from the user app. Then, wait for confirmation events on Aryo cloud before initiating subsequent actions.

a. Wiring Diagram

i. SP1728(EX)/1738(EX)/728(EX)/738(EX)/4000/5500/6000/7000, EVO192/HD

Colours are for demonstration purposes only

b. Programming Instructions

To monitor Paradox 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. SP1728(EX)/1738(EX)

Section	Description
131	Turn option 1 on to report disarming.
135	Turn options 1 and 2 off, to disable TLM, on and options 3 and 4 on, to enable DTMF dialing.
136	Turn option 3 on for automatic CID reporting codes.
140	Set 1st digit to 5 to enable CID.
143-144	Enter an account number for each partition.
151	Enter any phone number.
001-016	*Set an on-board zone to 7 for keyswitch and turn option 1 on for partition 1.*
066-068	*Set the PGM delay to 0 (follow deactivation).*
120	*Set PGM1 activation to 02 10 01 for partition 1 armed status monitoring.*
121	*Set PGM1 deactivation to 02 09 01.*

ii. EVO 192/HD

Section	Description
[3035]	Turn option 6 off for multi-partition.
[3036]	Turn options 1 and 2 off, to disable TLM, on and options 3 and 4 on, to enable DTMF dialing.
[3061]-[3068]	Enter an account number for each partition.
[3070]	Select 5 or 6 for CID or SIA reporting, respectively.
[3071]	Enter any phone number.
[0101]-[0196]	*Select a zone for keyswitch arming. Enter 01 in the corresponding section to choose disable zone type (first digit) and assign it to partition 1 (second digit).*
[0501]-[0532]	*Enter panel serial number and set input # to 001 for the keyswitch zone used.*
[0601]-[0632]	*Enter 11 in the section corresponding to the keyswitch zone to enable momentary keyswitch (first digit) and assign the keyswitch zone to partition 1 (second digit). Turn all options off.*
[0910]-[0913]	*Set activation event group to 064, feature group to 001, start and end # to 000 for partition 1 armed status monitoring.*
[0914]-[0917]	*Set deactivation event group to 014, feature group to 000, start and end # to 000 for partition 1.*

iii. SP728(EX)/738(EX) (V 3.10)

Section	Description
086	Turn options 1, 2nd off to disable TLM, option 11 off and option 12 on, to select regular reporting.
038	Set to 0 (key 10) for automatic CID reporting codes.
016-023	Enter any phone number.
032-035	Enter an account number.
086	*Turn option 3 on, and option 2 off for momentary keyswitch.*
039	*Set to 2nd to enable normally open PGM.*
040	*Set to 2/9 for armed status output.*
042	*Set to $2^{nd}/3$ for armed status output.*

iv. SP4000

Section	Description
800	Turn options 1 and 2 off to disable TLM.
801	Turn option 1 off for disarm reporting.
802	Turn options 1 and 5 on for alarm/restore and open/close reporting.
810	Select 4 for CID or 5 for SIA.
811-812	Enter an account number for each partition.
815	Enter any phone number.
001-032	*Enter 26 to set a zone to momentary keyswitch (first entry) for partition 1.*
220	*Set PGM1 activation event group to 02 and sub-group to 12 to select "Arm partition". Enter 01 to assign it to partition 1.*
221	*Set PGM1 deactivation event group to 02 and sub-group to 11 to select "Disarm" for partition. Enter 01 to assign it to partition 1.*
261	*Turn option 2 off for normally open PGM operation.*
281	*Set PGM delay time for PGM 1 to 000.*

v. SP5500/6000/7000

Section	Description
800	Turn options 1, 2 off to disable TLM.
801	Turn option 1 off for disarm reporting.

802	Turn options 1 and 5 on for alarm/restore and open/close reporting.
810	Select 4 for CID or 5 for SIA.
811-812	Enter an account number for each partition.
815	Enter any phone number.
001-032	*Enter 26 to set a zone to momentary keyswitch for partition 1.*
220	*Set PGM1 activation event group to 02 and sub-group to 12 to select "Arm partition". Enter 01 to assign it to partition 1.*
221	*Set PGM1 deactivation event group to 02 and sub-group to 11 to select "Disarm" for partition. Enter 01 to assign it to partition 1.*
261-262	*Turn option 2 off for normally open PGM operation.*
281-282	*Set PGM delay time for PGM1 to 000.*