EPIC SAFETY

surf-k & surf-km

LTE Primary Alarm Communicators

ELK M1 Alarm Panels

Installation Guide

V1.6
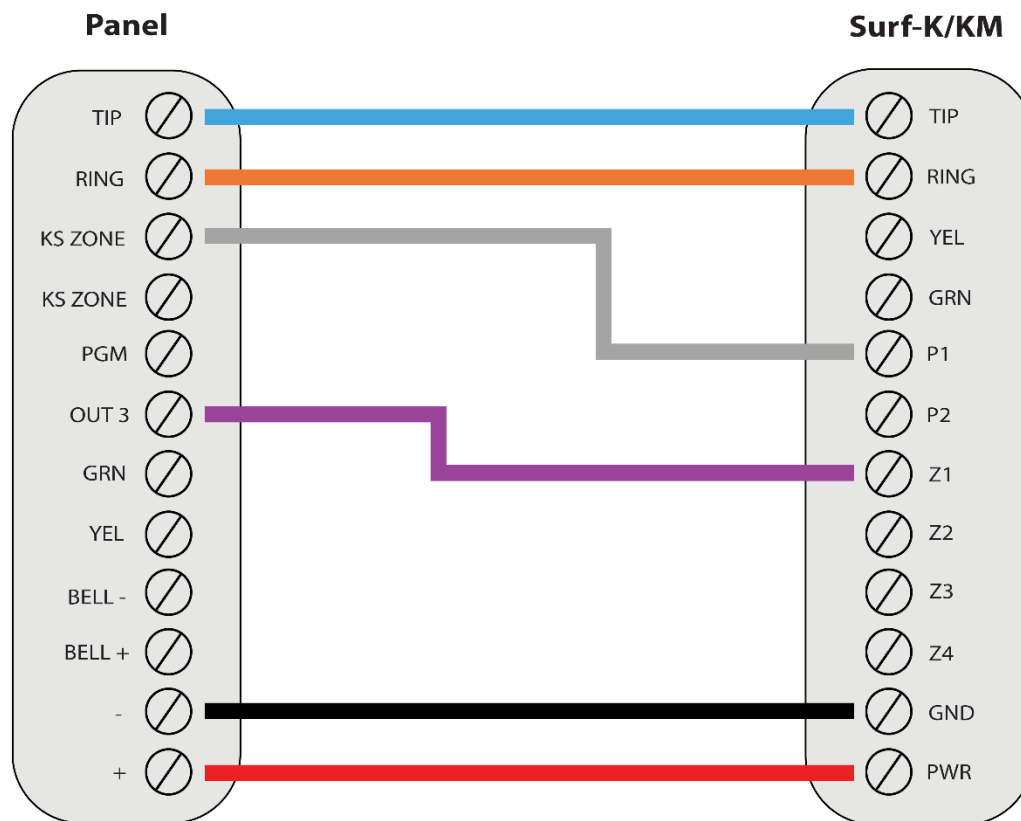
Firmware V1.0

Contents

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

For ELK M1 alarm panels, use Tip/Ring and keyswitch to monitor and control your system remotely.

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 partition from the cloud/app. Then, wait for confirmation events on Aryo cloud before initiating subsequent actions.

a. Wiring Diagram

Panel   **Surf-K/KM**

Panel	Surf-K/KM
TIP	TIP
RING	RING
KS ZONE	YEL
KS ZONE	GRN
PGM	P1
OUT 3	P2
GRN	Z1
YEL	Z2
BELL -	Z3
BELL +	Z4
-	GND
+	PWR

Colours are for demonstration purposes only

b.Programming Instructions

Section	Description
T1 01	Set to 01 for CID or 02 for SIA.
T1 02	Set to 0 to always report.
T1 03	Enter any phone number.
T1 05	Enter an account number.
T1 13	Turn on to enable alarm/restore reporting.
AR1 04-19	Enter 01 in each entry to enable open/close reporting.
UR 001-201	Enter 01 in each entry to enable open/close reporting codes for each user.
Keyswitch & Output	*Program a zone for momentary keyswitch and select Out 3 for PGM, using alarm panel's PC software.*