

# Technical Bulletin

## New Generation POPIT Loop Voltage

### Issue severity

- High. Act immediately
- Medium. Bosch Security Systems strongly recommends you take the action described below.
- Low. Advisory

### Products affected

Name/CTN of product

► **D9127-CHI**

### Date

August 22, 2024

### Issue

The previous manufacturer of a Bosch proprietary chip set has decided to no longer produce the component. Due to this issue Bosch has moved forward with building the POPIT using readily available components to meet the high demand in POPIT sales.

#### Old POPIT



#### New POPIT



### Resolution

As a result Bosch proceeded to design a new POPIT that would meet all of the previous design stated specifications. Bosch also designed the new POPIT to be fully backward compatible with existing control panels and modules.

New POPIT design started shipping April of 2024.

### SAP numbers

CTN	Old mat/n	New mat/n
D9127-CHI	F01U351654	F01U418089

### Electrical differences

One of the differences between the old and new versions is that the sensor loop voltage is different as shown in the chart below. This shift of voltages is expected and is taken care of in the POPIT.

	Loop state		
	Short	Normal	Open
<b>New POPIT</b>	0V-1.85V	2.25V-2.48V	2.88V-3.30V
<b>Old POPIT</b>	0V-2.40V	2.60V-7.30V	8.80-12.0V

Note : Voltages not in chart are hysteresis for state transitions.

**Bosch Security Systems B.V.**

Torenallee 49

5617 BA Eindhoven

Netherlands

**[www.boschsecurity.com](http://www.boschsecurity.com)**

© Bosch Security Systems B.V., 2024