

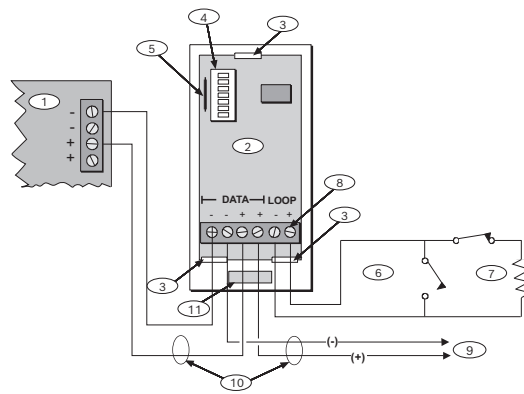
Safety



Caution!
Remove all power (AC and battery) before making any connections. Failure to do so might result in personal injury and/or equipment damage.



Notice!
This module must be installed in a metal enclosure for UL Intrusion, NFPA (UL Fire) and ULC installations.



System overview

This device is used with a compatible control panel to expand beyond its standard number of on-board initiating points.

Installation

Remove the cover

1. Use a small flat-head screwdriver in one slot on the side.
2. Twist the screwdriver.
3. Remove the cover.

Remove the PCB

1. At the end with the two tabs, push one tab away from the PCB.
2. Lift the corner.
3. Push the tab away.
4. Lift the PCB from the base.

Mount the POPIT base

1. Use the supplied hardware to install the base.
2. Pull the wiring through the opening.

Replace the PCB

1. Insert the DIP switch end of the PCB under the single tab.
2. Pull the two opposite tabs away.
3. Push the two tabs towards the PCB.

Wiring

1. Install a 33 kΩ end-of-line resistor at the farthest point on the loop.
2. Replace the POPIT cover.



Notice!
Bosch recommends the use of solid wire. If you use stranded wire, take care to insert all of the strands into the terminal block.

1	D8125 or B299 POPEX module
2	D9127U/T POPIT module
3	Tab
4	Dip switch
5	Reed switch (D9127T only)
6	Detector loop
7	33 kΩ EOL resistor
8	Terminals 12 AWG solid (maximum); 0.1 mm (22 AWG stranded (minimum)
9	Zone expansion loop to other POPITs
10	Supervised
11	Wire opening of POPIT base

Configuration of DIP switch

Use the following DIP switch table for B9512G/B8512G/D9412GV4/D7412GV4/D7212GV4. For additional information, refer to the control panel installation documentation. ZX1 = ZONEX 1. ZX2 = ZONEX 2.

Address ¹			Switch							
ZX 1	ZX 2	B299	0	1	2	3	4	5	6	
009	129	x00*	ON	ON	ON	ON	ON	ON	ON	
010	130	x01*	ON	ON	ON	ON	ON	ON		
011	131	x02*	ON	ON	ON	ON	ON		ON	
012	132	x03*	ON	ON	ON	ON	ON			
013	133	x04*	ON	ON	ON	ON		ON	ON	
014	134	x05*	ON	ON	ON	ON		ON		
015	135	x06*	ON	ON	ON	ON			ON	
016	136	x07*	ON	ON	ON	ON				
017	137	x08*	ON	ON	ON		ON	ON	ON	
018	138	x09	ON	ON	ON		ON	ON		
019	139	x10	ON	ON	ON		ON		ON	
020	140	x11	ON	ON	ON		ON			
021	141	x12	ON	ON	ON			ON	ON	

Address ¹			Switch							
022	142	x13	ON	ON	ON			ON		
023	143	x14	ON	ON	ON				ON	
024	144	x15	ON	ON	ON					
025	145	x16	ON	ON		ON	ON	ON	ON	
026	146	x17	ON	ON		ON	ON	ON		
027	147	x18	ON	ON		ON	ON		ON	
028	148	x19	ON	ON		ON	ON			
029	149	x20	ON	ON		ON		ON	ON	
030	150	x21	ON	ON		ON		ON		
031	151	x22	ON	ON		ON			ON	
032	152	x23	ON	ON		ON				
033	153	x24	ON	ON			ON	ON	ON	
034	154	x25	ON	ON			ON	ON		
035	155	x26	ON	ON			ON		ON	
036	156	x27	ON	ON			ON			
037	157	x28	ON	ON				ON	ON	
038	158	x29	ON	ON				ON		
039	159	x30	ON	ON					ON	
040	160	x31	ON	ON						
041	161	x32	ON		ON	ON	ON	ON	ON	
042	162	x33	ON		ON	ON	ON	ON		
043	163	x34	ON		ON	ON	ON		ON	
044	164	x35	ON		ON	ON	ON			
045	165	x36	ON		ON	ON		ON	ON	
046	166	x37	ON		ON	ON		ON		
047	167	x38	ON		ON	ON			ON	
048	168	x39	ON		ON	ON				
049	169	x40	ON		ON		ON	ON	ON	
050	170	x41	ON		ON		ON	ON		
051	171	x42	ON		ON		ON		ON	
052	172	x43	ON		ON		ON			
053	173	x44	ON		ON			ON	ON	
054	174	x45	ON		ON			ON		
055	175	x46	ON		ON				ON	
056	176	x47	ON		ON					
057	177	x48	ON			ON	ON	ON	ON	
058	178	x49	ON			ON	ON	ON		
059	179	x50	ON			ON	ON		ON	
060	180	x51	ON			ON	ON			
061	181	x52	ON			ON		ON	ON	
062	182	x53	ON			ON		ON		
063	183	x54	ON			ON			ON	
064	184	x55	ON			ON				

Address ¹			Switch							
065	185	x56	ON				ON	ON	ON	
066	186	x57	ON				ON	ON		
067	187	x58	ON				ON		ON	
068	188	x59	ON				ON			
069	189	x60	ON					ON	ON	
070	190	x61	ON					ON		
071	191	x62	ON						ON	
072	192	x63	ON							
073	193	x64		ON	ON	ON	ON	ON	ON	
074	194	x65		ON	ON	ON	ON	ON		
075	195	x66		ON	ON	ON	ON		ON	
076	196	x67		ON	ON	ON	ON			
077	197	x68		ON	ON	ON		ON	ON	
078	198	x69		ON	ON	ON		ON		
079	199	x70		ON	ON	ON			ON	
080	200	x71		ON	ON	ON				
081	201	x72		ON	ON		ON	ON	ON	
082	202	x73		ON	ON		ON	ON		
083	203	x74		ON	ON		ON		ON	
084	204	x75		ON	ON		ON			
085	205	x76		ON	ON			ON	ON	
086	206	x77		ON	ON			ON		
087	207	x78		ON	ON				ON	
088	208	x79		ON	ON					
089	209	x80		ON		ON	ON	ON	ON	
090	210	x81		ON		ON	ON	ON		
091	211	x82		ON		ON	ON		ON	
092	212	x83		ON		ON	ON			
093	213	x84		ON		ON		ON	ON	
094	214	x85		ON		ON		ON		
095	215	x86		ON		ON			ON	
096	216	x87		ON		ON				
097	217	x88		ON			ON	ON	ON	
098	218	x89		ON			ON	ON		
099	219	x90		ON			ON		ON	
100	220	x91		ON			ON			
101	221	x92		ON				ON	ON	
102	222	x93		ON				ON		
103	223	x94		ON					ON	
104	224	x95		ON						
105	225	x96			ON	ON	ON	ON	ON	
106	226	x97			ON	ON	ON	ON		
107	227	x98			ON	ON	ON	ON	ON	

Address ¹			Switch							
108	228	x99		ON	ON	ON				
109	229			ON	ON		ON	ON		
110	230			ON	ON		ON			
111	231			ON	ON			ON		
112	232			ON	ON					
113	233			ON		ON	ON	ON		
114	234			ON		ON	ON			
115	235			ON		ON		ON		
116	236			ON		ON				
117	237			ON			ON	ON		
118	238			ON			ON			
119	239			ON				ON		
120	240			ON						
121	241				ON	ON	ON	ON		
122	242				ON	ON	ON			
123	243				ON	ON		ON		
124	244				ON	ON				
125	245				ON		ON	ON		
126	246				ON		ON			
127	247				ON			ON		
128	248			not available						

¹ZONEX 1: Points 9 to 127 (D9412G); Points 9 to 75 (D7412G).
 ZONEX 2: Points 129 to 247 (D9412G).
 B299: x = B299 module address 0-5.
 *These point numbers are not available for B299 address 0.

UL applications

Enclosure and POPIT modules required for specific UL or NFPA system applications are listed. The D8108A Attack Resistant Enclosure meets or surpasses the requirements for all these applications. Refer to specific UL installation and classification requirements for further details on installation requirements.

Region	Application control	Enclosure	Model
US	UL 294	B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R/B18	U or T
	UL 365	B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R	U or T
	UL 864	B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R/B18	U or T
	UL 609	B8103/D8103/D8108A/D8109	T*
	UL 985	B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R/B18	U or T
	UL 1023	B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R/B18	U or T
	UL 1610	B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R/B18	T*
	UL 1076	B8103/D8103/D8108A/D8109	T*
	UL 2610	B18	U or T
	Canada	ULC S303	B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R
ULC S304		B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R/B18	T*
ULC-ORD C1023		B8103/D8103/D8108A/D8109/B10/B10R/B11/B11R	U or T
ULC-ORD C1076		B8103/D8103/D8108A/D8109	U or T

*A model "U" POPIT mounted within a tampered enclosure can be used in place of a model "T" POPIT.



Notice!

UL 294
 The D9127T/U has UL 294 Security Level I for Line Security, Attack, Enclosure, and Standby Power.

Technical data

Mechanical

Dimensions	8.1 cm x 3.8 cm x 2.4 cm (3.2 in. x 1.5 in. x 0.9 in.)
Color	Off white
Material	UL Listed fire-resistant

Environmental

Relative humidity	Up to 93% non-condensing
Temperature (operating)	0°C to +60°C (+32°F to +140°F)

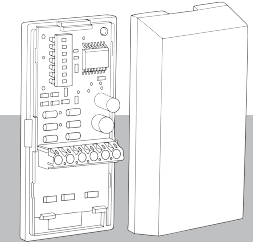
Electrical

Current draw	0.8 mA maximum
Resistance	Maximum resistance between the D8125 or B299 modules and each POPIT is 90 Ω.
Voltage (operating)	12 VDC nominal

Sensor Loop

Resistance	Maximum resistance on the sensor loop is 1000 Ω.
Response time	1 sec approximately

POPIT Module D9127U/T



Quick installation guide

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