

DICKER
DATA

CONNECT

SURVEILLANCE AND SECURITY



BOSCH

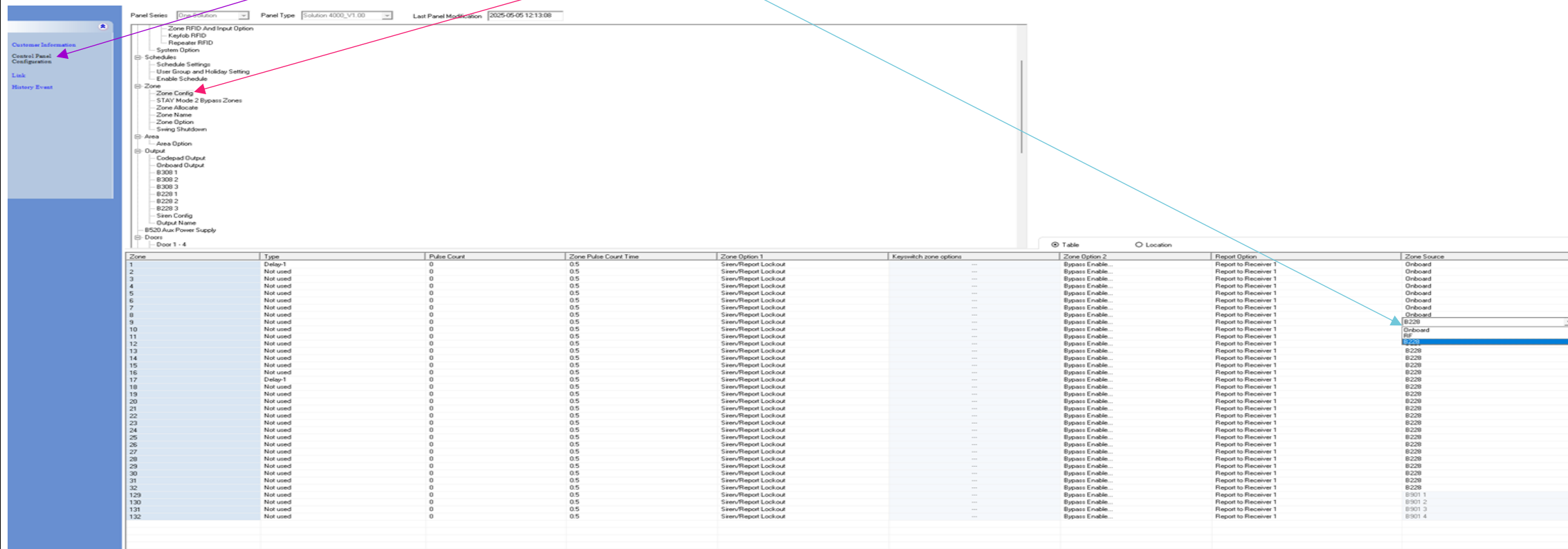
Bosch 4000 B228 expander setup

connect.dickerdata.co.nz



B228 setup

- When connecting the **B228** expander to a Bosch 4000, there are module addresses to consider. If using addresses **2** and **3** for zones **17 – 24** and zones **25 – 32** the zones are automatically assigned to the **B228** expanders zones. If **B228** expander is addressed **1**, for zones **9 – 16** you must reassign the zones from the panel to use the **B228** expander zones. This can be done with A-Link Plus software or via the keypad. [ALink Plus Update 6.1.21](#)
- Control Panel Configuration – Zone Config – Zone Source**



Panel Series: Panel Type: Last Panel Modification: 2025-05-05 12:13:08

Zone Config

Zone	Type	Pulse Count	Zone Pulse Count Time	Zone Option 1	Keyswitch zone options	Zone Option 2	Report Option	Zone Source
1	Delay-1	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
2	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
3	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
4	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
5	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
6	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
7	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
8	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
9	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
10	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
11	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
12	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
13	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
14	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
15	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
16	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	Onboard
17	Delay-1	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
18	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
19	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
20	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
21	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
22	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
23	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
24	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
25	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
26	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
27	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
28	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
29	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
30	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
31	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
32	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
129	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
130	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
131	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228
132	Not used	0	0.5	Siren/Report Lockout	---	Bypass Enable...	Report to Receiver 1	B228

B228 Setup

Zone Source – Zone **9 -16** can be assigned to the B228 expander if required. Zones **17-32** are automatically assigned to the B228 expanders.

15.4.9 Zone Source

Item	Location	Default	New	Item	Location	Default	New
Zone 1 Source	0754	0		Zone 2 Source	0755	0	
Zone 3 Source	0756	0		Zone 4 Source	0757	0	
Zone 5 Source	0758	0		Zone 6 Source	0759	0	
Zone 7 Source	0760	0		Zone 8 Source	0761	0	
Zone 9 Source	0762	0		Zone 10 Source	0763	0	
Zone 11 Source	0764	0		Zone 12 Source	0765	0	
Zone 13 Source	0766	0		Zone 14 Source	0767	0	
Zone 15 Source	0768	0		Zone 16 Source	0769	0	

Item	Location	Default	New	Item	Location	Default	New
Zone 17 Source	10062	2		Zone 18 Source	10063	2	
Zone 19 Source	10064	2		Zone 20 Source	10065	2	
Zone 21 Source	10066	2		Zone 22 Source	10067	2	
Zone 23 Source	10068	2		Zone 24 Source	10069	2	
Zone 25 Source	10070	2		Zone 26 Source	10071	2	
Zone 27 Source	10072	2		Zone 28 Source	10073	2	
Zone 29 Source	10074	2		Zone 30 Source	10075	2	
Zone 31 Source	10076	2		Zone 32 Source	10077	2	

Item	Option
Zone Source	0 = Onboard 1 = RF 2 = B228

B228 Setup

- The zone configuration can be as follows:
- To change **B228** zone configuration go to Location **0389** and change EOL option to suit the zone config of the B228 expander.
- **Note 1:** Location 0389 is the Global EOL option for the B228 expanders
- **Note 2:** Zone EOL configuration is on the panel and B228 expanders independantly

0	No EOL
1	1K (brown, black, red)
2	1K5 (brown, green, red)
3	2K2 (red, red, red)
4	3K3 (orange, orange, black, brown) 1%
5	3K9 (orange, white, red)
6	4K7 (yellow, violet, red)
7	5K6 (green, blue, red)
8	6K8 (blue, grey, black, brown) 1%
9	10K (brown, black, orange)
10	12K (brown, red, orange)
11	22K (red, red, orange)
12	Normal open
13	Reserved
14	Split EOL (3K3/6K8) with tamper (1K)
15	Split EOL 1% resistors

Onboard Zones	B228 Address	B228 Zone Numbers
01 – 08	01	09 – 16
	02	17 – 24
	03	25 – 32
01 – 08 3K3	02	17 – 24
09 – 16 6K8	03	25 – 32
01 – 08 3K3	02	17 – 24 3K3
09 – 16 6K8		25 – 32 6K8

B228 Setup

- To change **B228** zone configuration go to Location **0389** and change EOL option to suit the zone config of the B228 expander.
- Note:** Location **0389** is the Global EOL option for the **B228** expanders

18.7 B228 Output programming

Item	Location	Default	New	Item	Location	Default	New
B228 Module 1 Output 1				B228 Module 1 Output 2			
Event Code	0742	0		Event Code	0748	0	
Event Code	0743	0		Event Code	0749	0	
Polarity	0744	0		Polarity	0750	0	
Time Base	0745	0		Time Base	0751	0	
Time Base Multiplier	0746	0		Time Base Multiplier	0752	0	
Time Base Multiplier	0747	0		Time Base Multiplier	0753	0	
OC 1 Mode	0770	0		OC2 Mode	0771	0	
B228 Module 2 Output 1				B228 Module 2 Output 2			
Event Code	10126	0		Event Code	10133	0	
Event Code	10127	0		Event Code	10134	0	
Polarity	10128	0		Polarity	10135	0	
Time Base	10129	0		Time Base	10136	0	
Time Base Multiplier	10130	0		Time Base Multiplier	10137	0	
Time Base Multiplier	10131	0		Time Base Multiplier	10138	0	
OC 1 Mode	10132	0		OC2 Mode	10139	0	
B228 Module 3 Output 1				B228 Module 3 Output 2			
Event Code	10140	0		Event Code	10147	0	
Event Code	10141	0		Event Code	10148	0	
Polarity	10142	0		Polarity	10149	0	
Time Base	10143	0		Time Base	10150	0	
Time Base Multiplier	10144	0		Time Base Multiplier	10151	0	
Time Base Multiplier	10145	0		Time Base Multiplier	10152	0	
OC 1 Mode	10146	0		OC2 Mode	10153	0	

Item	Option	
OC1 Mode	0 = Not used	2 = SW negative
OC2 Mode	1 = Aux power	3 = Open collector