



### GENERAL DESCRIPTION

The AS2015 is an addressable loop powered sounder for the FP1200 and FP2000 range of fire panels. The unit has a built in isolator and is polarity sensitive. The AS2015 sounder can be put into different operating modes (refer to table 1). To avoid sound interference of multiple sounders in the same room, the sounders are synchronized. The address of each interface module is programmable on-site using the address DIP-switch.

### ADDRESS SWITCH

Figure 1. Address switch

To set the address use a screwdriver to adjust the DIP switch on the unit, as per the attached table 2. Do not set the address to either 0 or higher than 128. This will not produce a response from the unit.

### WIRING

Figure 2. Wiring diagram

- 1 IN -, negative loop voltage connection
- 2 IN +, positive loop voltage connection
- 3 OUT +, positive loop voltage connection
- 4 OUT -, negative loop voltage connection
- 5 Address DIP-switch
- 6 AS2015 loop powered sounder
- 7 Analogue addressable loop extension
- 8 Listed compatible analogue addressable fire alarm control panel

### TECHNICAL DATA

#### At communication loop terminals:

Maximum operating voltage ..... 17–39 VDC  
 Current Communication Pulse ..... 20 mA (+/- 2 mA) Peak  
 Supply current (@ 24Vdc at 25°C):  
 Sounder not activated ..... 240 µA(+/-60 µA)  
 Sounder activated ..... 3 mA(+/-1 mA)  
 Sounder activation surge current ..... < 10 mA

#### Loop isolation:

Maximum rated continuous current (non-isolated).....	3 A
Maximum rated switching current (short circuit conditions) .....	3 A
Maximum leakage current (isolated state).....	1.5 mA
Maximum series impedance (non-isolated) .....	0.2 Ω
Isolation voltage .....	<15,5 V ± 1 V
Under condition: Under voltage is present for.....	>10 ms
Recovery resistance (recovery from isolation).....	>3 kΩ
Under condition: Increased resistance is present for.....	>1 s
Sound Output @ 1 Meter .....	100 dB(A)
Synchronization reset duration .....	> 20 ms
Device type code .....	0E (hex)
OEM code .....	05 (hex)

Table 1. AS2015 sounder operating modes:

Mode	Note
Off	
Continuous tone	990 Hz
Intermittent tone	990 Hz, On/Off at 1 Hz
Two tone	990 Hz / 650 Hz at 1 Hz

Table 2. AS2015 Address Dip-Switch Settings:

Address	Switch 12345678	Address	Switch 12345678
1	00000001	65	01100101
2	00000010	66	01100110
3	00000011	67	01100111
4	00000100	68	01101000
5	00000101	69	01101001
6	00000110	70	01110000
7	00000111	71	01110001
8	00001000	72	01110010
9	00001001	73	01110011
10	00010000	74	01110100
11	00010001	75	01110101
12	00010010	76	01110110
13	00010011	77	01110111
14	00010100	78	01111000
15	00010101	79	01111001
16	00010110	80	10000000
17	00010111	81	10000001
18	00011000	82	10000010
19	00011001	83	10000011
20	00100000	84	10000100
21	00100001	85	10000101
22	00100010	86	10000110
23	00100011	87	10000111
24	00100100	88	10001000
25	00100101	89	10001001
26	00100110	90	10010000
27	00100111	91	10010001
28	00101000	92	10010010
29	00101001	93	10010011
30	00110000	94	10010100
31	00110001	95	10010101
32	00110010	96	10010110
33	00110011	97	10010111
34	00110100	98	10011000
35	00110101	99	10011001
36	00110110	100	10100000
37	00110111	101	10100001
38	00111000	102	10100010
39	00111001	103	10100011
40	01000000	104	10100100
41	01000001	105	10100101
42	01000010	106	10100110
43	01000011	107	10100111
44	01000100	108	10101000
45	01000101	109	10101001
46	01000110	110	10110000
47	01000111	111	10110001
48	01001000	112	10110010
49	01001001	113	10110011
50	01010000	114	10110100
51	01010001	115	10110101
52	01010010	116	10110110
53	01010011	117	10110111
54	01010100	118	10111000
55	01010101	119	10111001
56	01010110	120	11000000
57	01010111	121	11000001
58	01011000	122	11000010
59	01011001	123	11000011
60	01100000	124	11000100
61	01100001	125	11000101
62	01100010	126	11000110
63	01100011	127	11000111
64	01100100	128	11001000