

Technical Bulletin

K3700 Multi Zone Extinguishing Panels Zone Configuration

TB 1008

The K3700 series panels comprises of a number of models, which have a different combination of detection zones and extinguishing areas. The panels are factory set so that default zones are used to operate each area, in accordance with the table below.

Model Number	Number of Zones	Number of Areas	Default Coincidence Zones						Default Peripheral Zones
			Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	
K3700	4	1	Z1, Z2	N/A	N/A	N/A	N/A	N/A	Z3, Z4
K3701	4	1	Z1, Z2	N/A	N/A	N/A	N/A	N/A	Z3, Z4
K3705	4	2	Z1, Z2	Z3, Z4	N/A	N/A	N/A	N/A	None
K3710	8	1	Z1, Z2	N/A	N/A	N/A	N/A	N/A	Z3 to Z8
K3715	8	2	Z1, Z2	Z3, Z4	N/A	N/A	N/A	N/A	Z5 to Z8
K3720	8	3	Z1, Z2	Z3, Z4	Z5, Z6	N/A	N/A	N/A	Z7, Z8
K3725	8	4	Z1, Z2	Z3, Z4	Z5, Z6	Z7, Z8	N/A	N/A	None
K3730	12	1	Z1, Z2	N/A	N/A	N/A	N/A	N/A	Z3 to Z12
K3735	12	2	Z1, Z2	Z3, Z4	N/A	N/A	N/A	N/A	Z5 to Z12
K3740	12	3	Z1, Z2	Z3, Z4	Z5, Z6	N/A	N/A	N/A	Z7 to Z12
K3745	12	4	Z1, Z2	Z3, Z4	Z5, Z6	Z7, Z8	N/A	N/A	Z9 to Z12
K3750	12	5	Z1, Z2	Z3, Z4	Z5, Z6	Z7, Z8	Z9, Z10	N/A	Z11, Z12
K3755	12	6	Z1, Z2	Z3, Z4	Z5, Z6	Z7, Z8	Z9, Z10	Z11, Z12	None

Table 1 - K3700 Panels - Factory Default Zone Settings

Within each panel there is a K4.01 extinguishing control PCB for each area. This PCB is linked to the detection circuit boards by a ribbon cable, which permits up to 12 detection zones to be routed to the input circuit of the K4.01 PCB. Adjacent to the ribbon cable is a 24 pin dual-in-line header. This is used to select which zones are to be used to give the coincidence required for second stage activation, by the use of jumper links fitted to short out the adjacent pair of pins on each row.

Although the factory default is that only 2 zones are used to provide the coincidence detection, any number of zones up to the maximum may be used to contribute to the coincidence logic. An example configuration is shown in figure 1 opposite.

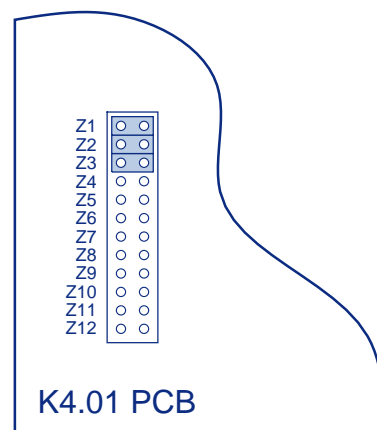


Fig 1 - A single area control board set for coincidence operation from zones 1, 2 and 3.