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## PA System Alarm Matrix RH2819A



[RH-AUDIO](#) Alarm Matrix RH2819A connects between a facility's fire alarm system and public address system, it has a multi-pin bus ready to be integrated with fire alarm system with support for up to 30 zones (1~30), the alarm output consists of three multi-pin buses to connect its counterpart unit Zone Paging Selector or Audio Matrix.

Two RJ45 ports are ready to be added with additional RH2819A where more than 30 zones are required, in this situation each RH2819A should be distinguished with its own ID address set through the dipswitches on rear. There is also a group of dipswitches which allow for options on  $N\pm 1$ ,  $N\pm 2$ ,  $N\pm 3$ ,  $N\pm 4$ . Take the example of  $N\pm 2$  selection, if the 9th floor has alarm broadcasting, which will force its adjacent 7th, 8th, 10th, 11st floor into an emergency situation warning personnel to evacuate.

The characteristics of [fire matrix](#):

- ※ 30 shorted signal inputs for fire alarm, 3 groups of 10 channel shorted signal outputs for fire alarm.
- ※  $N\pm 4$  adjacent zone range.
- ※ Shorted signal to activate power.
- ※ Address setting with decimal system.

The specifications of [fire alarm matrix](#):

Model	RH2819A
Control channels	32 channels: CH1 ~ CH30
Alarm tone	Shorted signal
Alarm input	ALARM (1~32)
Alarm output	3 GROUPS ALARM OUTPUT (1~10), ALARM OUT (11~20), ALARM OUT (21~30)



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	1~30)
Number of adjacent zones	0 ±1 ±2 ±3 ±4
controls	Power switch, address setting (1 digit), adjacent zone selector
Indicators	POWER indicator, CH1 ~ CH30 alarm state indicators
Protection	AC FUSE 0.5A 1
Power	AC 220V 10% 50 -60Hz
Power consumption	15~20W
Dimensions	89(H) 483(W) 350(D) mm
N.W.	6.42KG

