

AS-208 8-zone address module is a zone expansion module possessing the bus communication function for connecting remote alarm detector, access to eight wired zone; can be used with AS-9000 series alarm control panel, with address code setting switch.

## 1. Specifications and parameters

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Size                  | 13 cm x 8 cm x 2.6 cm (L x W x D)                         |
| Weight                | 200 grams                                                 |
| Operating temperature | -10 °C ~ + 50 °C; 0-85% humidity                          |
| Working voltage       | DC 10V ~ 24V                                              |
| Working current       | 30 mA                                                     |
| Zones                 | Can be connected to normally open / closed alarm detector |
| Networking function   | Can be connected with AS-9000 series alarm control panel  |

## 2. Wiring instructions

Signal: "green, yellow, black" is connected to the alarm control panel bus signal line green, yellow, black respectively;

12V: "+, -" is connected to the power supply positive and negative respectively;

Alarm: "alarm, -" is connected to the siren positive and negative respectively, link siren when the module alarm;

Arm: "arm, -" is connected to the indicator light positive and negative respectively, there is a signal indication when the module arm.

## 3. Indicator light instructions

Power: power is normal, bright;

Arm: when the alarm system arm, bright.

Alarm: when the alarm system alarm, bright;

Communication: the communication is normal, blinking;



## 4. Smart search

After connecting the line, log on the keypad and enter the "device management \ search bus device" menu, the alarm control panel will automatically search bus expansion module and establish a connection, and finally it will show how many devices found. When increase, decrease, replace the module, user need to let the alarm control panel search bus expansion module again.

## 5. Intelligent identification (solve missing code, recode problem)

Each module has its own unique code number. When the same code is assigned to more than two modules, the alarm control panel will automatically assign the module starting from 1999 to the same code module.

## 6. Dialing code instructions

The module occupies the alarm control panel zone from 400 to 1999. The zone number refers to the number displayed at the keypad when the module alarms, and the zone number = address code \* 8 + 400.

● = Dial switch closed status (ON)

| Zone Number |   |     | Binary Address | Switch Status |   |   |   |   |   |   |   |
|-------------|---|-----|----------------|---------------|---|---|---|---|---|---|---|
|             |   |     |                | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 400         | - | 407 | 0              |               |   |   |   |   |   |   |   |
| 408         | - | 415 | 1              | ●             |   |   |   |   |   |   |   |
| 416         | - | 423 | 2              |               | ● |   |   |   |   |   |   |
| 424         | - | 431 | 3              | ●             | ● |   |   |   |   |   |   |
| 432         | - | 439 | 4              |               |   | ● |   |   |   |   |   |
| 440         | - | 447 | 5              | ●             |   | ● |   |   |   |   |   |
| 448         | - | 455 | 6              |               | ● | ● |   |   |   |   |   |
| 456         | - | 463 | 7              | ●             | ● | ● |   |   |   |   |   |
| 464         | - | 471 | 8              |               |   |   | ● |   |   |   |   |
| 472         | - | 479 | 9              | ●             |   |   | ● |   |   |   |   |
| 480         | - | 487 | 10             |               | ● |   | ● |   |   |   |   |
| 488         | - | 495 | 11             | ●             | ● |   | ● |   |   |   |   |
| 496         | - | 503 | 12             |               |   | ● | ● |   |   |   |   |
| 504         | - | 511 | 13             | ●             |   | ● | ● |   |   |   |   |
| 512         | - | 519 | 14             |               | ● | ● | ● |   |   |   |   |
| 520         | - | 527 | 15             | ●             | ● | ● | ● |   |   |   |   |
| 528         | - | 535 | 16             |               |   |   |   | ● |   |   |   |
| 536         | - | 543 | 17             | ●             |   |   |   | ● |   |   |   |
| 544         | - | 551 | 18             |               | ● |   |   | ● |   |   |   |
| 552         | - | 559 | 19             | ●             | ● |   |   | ● |   |   |   |
| 560         | - | 567 | 20             |               |   | ● |   | ● |   |   |   |
| 568         | - | 575 | 21             | ●             |   | ● |   | ● |   |   |   |
| 576         | - | 583 | 22             |               | ● | ● |   | ● |   |   |   |
| 584         | - | 591 | 23             | ●             | ● | ● |   | ● |   |   |   |
| 592         | - | 599 | 24             |               |   |   | ● | ● |   |   |   |
| 600         | - | 607 | 25             | ●             |   |   | ● | ● |   |   |   |
| 608         | - | 615 | 26             |               | ● |   | ● | ● |   |   |   |
| 616         | - | 623 | 27             | ●             | ● |   | ● | ● |   |   |   |
| 624         | - | 631 | 28             |               |   | ● | ● | ● |   |   |   |
| 632         | - | 639 | 29             | ●             |   | ● | ● | ● |   |   |   |
| 640         | - | 647 | 30             |               | ● | ● | ● | ● |   |   |   |
| 648         | - | 655 | 31             | ●             | ● | ● | ● | ● |   |   |   |
| 656         | - | 663 | 32             |               |   |   |   |   | ● |   |   |
| 664         | - | 671 | 33             | ●             |   |   |   |   | ● |   |   |
| 672         | - | 679 | 34             |               | ● |   |   |   | ● |   |   |
| 680         | - | 687 | 35             | ●             | ● |   |   |   | ● |   |   |
| 688         | - | 695 | 36             |               |   | ● |   |   | ● |   |   |
| 696         | - | 703 | 37             | ●             |   | ● |   |   | ● |   |   |
| 704         | - | 711 | 38             |               | ● | ● |   |   | ● |   |   |
| 712         | - | 719 | 39             | ●             | ● | ● |   |   | ● |   |   |
| 720         | - | 727 | 40             |               |   |   | ● |   | ● |   |   |
| 728         | - | 735 | 41             | ●             |   |   | ● |   | ● |   |   |
| 736         | - | 743 | 42             |               | ● |   | ● |   | ● |   |   |
| 744         | - | 751 | 43             | ●             | ● |   | ● |   | ● |   |   |
| 752         | - | 759 | 44             |               |   | ● | ● |   | ● |   |   |
| 760         | - | 767 | 45             | ●             |   | ● | ● |   | ● |   |   |
| 768         | - | 775 | 46             |               | ● | ● | ● |   | ● |   |   |
| 776         | - | 783 | 47             | ●             | ● | ● | ● |   | ● |   |   |
| 784         | - | 791 | 48             |               |   |   |   | ● | ● |   |   |
| 792         | - | 799 | 49             | ●             |   |   |   | ● | ● |   |   |
| 800         | - | 807 | 50             |               | ● |   |   | ● | ● |   |   |
| 808         | - | 815 | 51             | ●             | ● |   |   | ● | ● |   |   |
| 816         | - | 823 | 52             |               |   | ● |   | ● | ● |   |   |
| 824         | - | 831 | 53             | ●             |   | ● |   | ● | ● |   |   |
| 832         | - | 839 | 54             |               | ● | ● |   | ● | ● |   |   |
| 840         | - | 847 | 55             | ●             | ● | ● |   | ● | ● |   |   |
| 848         | - | 855 | 56             |               |   |   | ● | ● | ● |   |   |
| 856         | - | 863 | 57             | ●             |   |   | ● | ● | ● |   |   |
| 864         | - | 871 | 58             |               | ● |   | ● | ● | ● |   |   |
| 872         | - | 879 | 59             | ●             | ● |   | ● | ● | ● |   |   |

| Zone Number |   |      | Binary Address | Switch Status |   |   |   |   |   |   |   |
|-------------|---|------|----------------|---------------|---|---|---|---|---|---|---|
|             |   |      |                | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 880         | - | 887  | 60             |               |   | ● | ● | ● | ● |   |   |
| 888         | - | 895  | 61             | ●             |   | ● | ● | ● | ● |   |   |
| 896         | - | 903  | 62             |               | ● | ● | ● | ● | ● |   |   |
| 904         | - | 911  | 63             | ●             | ● | ● | ● | ● | ● |   |   |
| 912         | - | 919  | 64             |               |   |   |   |   |   | ● |   |
| 920         | - | 927  | 65             | ●             |   |   |   |   |   | ● |   |
| 928         | - | 935  | 66             |               | ● |   |   |   |   | ● |   |
| 936         | - | 943  | 67             | ●             | ● |   |   |   |   | ● |   |
| 944         | - | 951  | 68             |               |   | ● |   |   |   | ● |   |
| 952         | - | 959  | 69             | ●             |   | ● |   |   |   | ● |   |
| 960         | - | 967  | 70             |               | ● | ● |   |   |   | ● |   |
| 968         | - | 975  | 71             | ●             | ● | ● |   |   |   | ● |   |
| 976         | - | 983  | 72             |               |   |   | ● |   |   | ● |   |
| 984         | - | 991  | 73             | ●             |   |   | ● |   |   | ● |   |
| 992         | - | 999  | 74             |               | ● |   | ● |   |   | ● |   |
| 1000        | - | 1007 | 75             | ●             | ● |   | ● |   |   | ● |   |
| 1008        | - | 1015 | 76             |               |   | ● | ● |   |   | ● |   |
| 1016        | - | 1023 | 77             | ●             |   | ● | ● |   |   | ● |   |
| 1024        | - | 1031 | 78             |               | ● | ● | ● |   |   | ● |   |
| 1032        | - | 1039 | 79             | ●             | ● | ● | ● |   |   | ● |   |
| 1040        | - | 1047 | 80             |               |   |   |   | ● |   | ● |   |
| 1048        | - | 1055 | 81             | ●             |   |   |   | ● |   | ● |   |
| 1056        | - | 1063 | 82             |               | ● |   |   | ● |   | ● |   |
| 1064        | - | 1071 | 83             | ●             | ● |   |   | ● |   | ● |   |
| 1072        | - | 1079 | 84             |               |   | ● |   | ● |   | ● |   |
| 1080        | - | 1087 | 85             | ●             |   | ● |   | ● |   | ● |   |
| 1088        | - | 1095 | 86             |               | ● | ● |   | ● |   | ● |   |
| 1096        | - | 1103 | 87             | ●             | ● | ● |   | ● |   | ● |   |
| 1104        | - | 1111 | 88             |               |   |   | ● | ● |   | ● |   |
| 1112        | - | 1119 | 89             | ●             |   |   | ● | ● |   | ● |   |
| 1120        | - | 1127 | 90             |               | ● |   | ● | ● |   | ● |   |
| 1128        | - | 1135 | 91             | ●             | ● |   | ● | ● |   | ● |   |
| 1136        | - | 1143 | 92             |               |   | ● | ● | ● |   | ● |   |
| 1144        | - | 1151 | 93             | ●             |   | ● | ● | ● |   | ● |   |
| 1152        | - | 1159 | 94             |               | ● | ● | ● | ● |   | ● |   |
| 1160        | - | 1167 | 95             | ●             | ● | ● | ● | ● |   | ● |   |
| 1168        | - | 1175 | 96             |               |   |   |   |   | ● | ● |   |
| 1176        | - | 1183 | 97             | ●             |   |   |   |   | ● | ● |   |
| 1184        | - | 1191 | 98             |               | ● |   |   |   | ● | ● |   |
| 1192        | - | 1199 | 99             | ●             | ● |   |   |   | ● | ● |   |
| 1200        | - | 1207 | 100            |               |   | ● |   |   | ● | ● |   |
| 1208        | - | 1215 | 101            | ●             |   | ● |   |   | ● | ● |   |
| 1216        | - | 1223 | 102            |               | ● | ● |   |   | ● | ● |   |
| 1224        | - | 1231 | 103            | ●             | ● | ● |   |   | ● | ● |   |
| 1232        | - | 1239 | 104            |               |   |   | ● |   | ● | ● |   |
| 1240        | - | 1247 | 105            | ●             |   |   | ● |   | ● | ● |   |
| 1248        | - | 1255 | 106            |               | ● |   | ● |   | ● | ● |   |
| 1256        | - | 1263 | 107            | ●             | ● |   | ● |   | ● | ● |   |
| 1264        | - | 1271 | 108            |               |   | ● | ● |   | ● | ● |   |
| 1272        | - | 1279 | 109            | ●             |   | ● | ● |   | ● | ● |   |
| 1280        | - | 1287 | 110            |               | ● | ● | ● |   | ● | ● |   |
| 1288        | - | 1295 | 111            | ●             | ● | ● | ● |   | ● | ● |   |
| 1296        | - | 1303 | 112            |               |   |   |   | ● | ● | ● |   |
| 1304        | - | 1311 | 113            | ●             |   |   |   | ● | ● | ● |   |
| 1312        | - | 1319 | 114            |               | ● |   |   | ● | ● | ● |   |
| 1320        | - | 1327 | 115            | ●             | ● |   |   | ● | ● | ● |   |
| 1328        | - | 1335 | 116            |               |   | ● |   | ● | ● | ● |   |
| 1336        | - | 1343 | 117            | ●             |   | ● |   | ● | ● | ● |   |
| 1344        | - | 1351 | 118            |               | ● | ● |   | ● | ● | ● |   |
| 1352        | - | 1359 | 119            | ●             | ● | ● |   | ● | ● | ● |   |

