



# DS-K2600 Series Access Controller

Arming and Disarming Ness M1 via Controller



Ness V1.0

## **Event Linkage to Arm / Disarm Ness M1**

#### Purpose:

To Arm and Disarm the Ness M1 Security Alarm Panel via the Access Controller and also denying Access to staff via Access Controlled Doors, who do not have Security Panel Disarm authorization.

#### Arming / Disarming the Ness M1 from the Access Controller.

Purpose:

To Arm / Disarm the Security System via an Access Card at Entry / Exit readers.

One card 'swipe' when arriving will Disarm the Security Alarm and 3 x Card Swipes when leaving will Arm the Security Alarm Panel.

#### Step A.

Definition 30 = Key On/Off

Area 1 ÷

Attributes

Type 0 = EOL Hardwire / Wireless

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Wire O/P from the Access Controllers "Alarm Out" into M1 Zone Inputs, as per the example below. (O/P Alarm 1 to Zone 16 of the M1).



Then when the Access Controller is in a 'Armed State' the M1 Area will be Armed and then the Access Controller is in a 'Disarm State' the M1 will be disarmed.

#### Step B.

In iVMS4200, open the 'Event Management' tab, select the Access Controller and click on 'Event Card Linkage.

Click on 'Add" to add a new Event Trigger

| Control Panel 🔂 Main View 🛅 Remote Playback 📲 Access i   | Control 💀 Status Monitor 🦔 Storage Schedule 🔐 Event Management 🖾 Device Management  |
|--|---|
| amera Event 4 Alarm Input Exception Zone Event Access Control Even<br>ent Card Linkage<br>earch  | E Event Card Linkage E. Cross-Device Linkage E Pyronix Control Panel Event  |
| Click on 'Card Linkage" then from<br>the drop down box of all cards<br>currently programmed into the<br>system, select a card with 'Super<br>User' set as their Card Type. | Exception Zone Event Access Control Event Event Card Linkage Cr<br>Linkage Details<br>Event Source<br>Linkage Type: Event Linkage Ocard Linkage<br>Card No.: 0876923731   |
| Select from the drop down list the<br>Card Reader you wish to be able to<br>Arm / Disarm the Security system   | Linkage Target  |
| (You need to add a new Card Linkage<br>for each user and each reader who has<br>access to Disarm the Security System<br>via a card reader)                                 | Buzzing       Recording       Alarm Output       Zone       Access Control Point       Audio Play         Alarm Output       Name       Enable       Disable         Alarm Output 1       Image: Control Point Audio Play |
| Select the Linkage Target to be<br>'Alarm Output'  | Alarm Output 2  |
| Then Select the Output(s) you wish<br>to use to connect to the M1 to Arm<br>/ Disarm the Area(s)   | Alarm Output 4  |

#### Arming / Disarming the M1.

Once saved, 'swiping a Card as programmed above to the selected reader, as above, 3 times (within 5 seconds) will turn the selected O/P Off.

#### Controlling who can access onsite when the Security System is Armed.

#### Purpose:

To deny Access to staff who do not have rights to Disarm the Security System when it is armed. This prevents staff from accessing onsite (even during their authorized Access Times) if the Security System is Arm.

#### Step 1.

Wire the system in a configuration similar to the following example.

Wire a Change over relay contact from an O/P on the M1 to Input on the Access Controller. (e.g. O/P 7 of the M1 to C7 and C8 of the Access Controller.

Program the M1 Relay to activate, which would then trigger C8 when the M1 is Armed) and deactivate when the M1 is Disarmed, which would trigger C7 when M1 is Disarmed.



Step 2.

In iVMS4200 select the users who are to have rights to Gain Access when the Security Alarm system is Armed and make sure their Card Type is set to "Super User"



For the users who cannot gain access through doors when the Security System is Armed, make sure their Card Typ<u>e is set as "Normal Card</u>

| 🚡 Remo     | te Playback     | 🛃 Access Co  | introl       | 🗓 Status Monitor 🥫 Storage Schedule 🎽 Event Management 🚔 Device Management               |
|------------|-----------------|--------------|--------------|--|
| 💠 Add 🔓    | Modify C. Delet | e Donange (  | organization | 📲 Import Person 🔹 Export Person 🎿 Get Person 🥼 Add Person in Batch 📰 Issue Card in Batch |
| Read       | ame or          | card No Sear | ch           |  |
| Person No. | Person Name     | Organization | Gender       | Edit Person ×  |
| 1          | Greg Kingsley   | NESS         | Male         |  |
| 2          | Ben Sampson     | NESS         | Male         | Person No.: 2  |
| \$         | Test FOB        | NESS         | Male         | Person Name: Ben Sampson *   |
|            |                 |              |              | Gender:   Male  Female   |
|            |                 |              |              | Phone No.:   |
|            |                 |              |              | Date of Birth: 2018-06-19  |
|            |                 |              |              | Place of Birth:  |
|            |                 |              |              | Email:   |
|            |                 |              |              | Opioad Ficture Take Filoto   |
|            |                 |              |              | Betails A Permission Schedulia Attendance Rule   |
|            |                 |              |              | Card 1 Face Picture Fingerprint  |
|            |                 |              |              | + Add 📝 Modify 🖌 Del 🐁 Lin 🚿 OR 📲 Lin 🥂 Re   |
|            |                 |              |              |  |
|            |                 |              |              | Index Card No. Link Fingerprint Link Face Picture Card Effective                         |
|            |                 |              |              | 1 1064870925 • 2018-06-1910:3  |
|            |                 |              |              | moury card   |
|            |                 |              |              | Card Type: Normal Card V   |
|            |                 |              |              | Remark:  |
|            |                 |              |              | Card No.: 1064870925   |
|            |                 |              |              | Card Password @  |
|            |                 |              |              | Effective Period: from 2018-06-19 10:31:55 📆 to 2028-06-19 10:31:55 📆                    |
|            |                 |              |              |  |
|            |                 |              |              | OK   |
|            |                 |              |              |  |

Step 3.

In iVMS4200, open the 'Event Management' tab, select the Access Controller and click on 'Event Card Linkage.

Click on 'Add" to add a new Event Trigger

|  | Linkage Details  |  |  |              | +                               | Add 🗙 Delete          | 6    |
|--|--|--|--|--------------|---------------------------------|-----------------------|------|
| arch 9                                       | Event Source<br>Linkage Type: © Event Linkage © Card Linkage<br>Event Type: Device Event V Device Tampering A                |  |  |              |                                 |                       |      |
| Click on 'Ev<br>the 'Event T<br>S<br>Then Se | vent Linkage" then select<br>Type' to be "Alarm Input"—<br>elect 'Event Input Alarm'—<br>lect Alarm Input 'Event <u>8</u> '— | Exception in the second | Event Linkage     Aarm Input     vent8   | Card Linkage | ent Input Alarm                 | Cross-Device Linka    | ge 👔 |
|  |  |  |  |              |                                 |                       |      |
| Select<br>'Access C                          | the Linkage Target to be   | Linkage Target<br>Buzzing R<br>Access Cont   | ecording Alarm Outp<br>rol Point         | ut Zone Acce | ss Control Point                | Play                  |      |
| Select<br>'Access C                          | the Linkage Target to be<br>Control Point' (i.e Door)  | Linkage Target<br>Buzzing R<br>Access Cont   | ecording Alarm Outp<br>rol Point         | ut Zone Acce | ss Control Point udio F         | Play<br>Remain Closed |      |
| Select<br>'Access C<br>Then Selec            | the Linkage Target to be<br>Control Point' (i.e Door)  | Linkage Target<br>Buzzing R<br>Access Cont<br>Name<br>Door1  | ecording Alarm Outp<br>rol Point<br>Open | ut Zone Acce | ss Control Point<br>Remain Open | Play<br>Remain Closed |      |
| Select<br>'Access C<br>Then Selec            | the Linkage Target to be<br>Control Point' (i.e Door)<br>t the Door(s) you wish to<br>access to user who can't               | Linkage Target<br>Buzzing R<br>Access Cont<br>Name<br>Door1<br>Door2   | ecording Alarm Outp<br>rol Point         | ut Zone Acce | SS Control Point udio P         | Play<br>Remain Closed |      |

#### Step 3B.

Click on 'Add" to add another new Event Trigger



In the status Monitoring screen, while the Security System is Armed the selected door(s) (as programmed above in 3A) will be shown in a 'Remain Closed' state. During this state only 'Super Cards' will be gained Access.

Once the Security System is Disarmed, the selected door(s) (as programmed above in 3B) will be shown in a 'Close Door' state. During this state both 'Normal and 'Super Cards' will be gained Access if there access levels permit.

| Status Information | 📕 Open Door 🛛 📕 Clo | ose Door 🛛 🛃 Remain | Open 🗧 Remain C     | losed |
|--------------------|---------------------|---------------------|---------------------|-------|
| ĩ                  | i                   | i                   | i                   |       |
| Front Door         | Office entry Door   | Sales Manager       | Warehouse Offi      | F     |
| Floor10_Lift 1     | Floor11_Lift 1      | Executive Floor     | Door1_Access        | Doc   |
|                    |                     |                     |                     |       |
|                    |                     |                     |                     |       |
| Status Information | 📕 Open Door 🚽 📕 Clo | ose Door 🛛 🛃 Remain | o Open 🛛 🗧 Remain C | losed |
| i                  | i                   | i                   | i                   |       |
| Front Door         | Office entry Door   | Sales Manager       | Warehouse Offi      | F     |
| Floor10_Lift 1     | Floor11_Lift 1      | Executive Floor     | Door1_Access        | Do    |



This manual has been modified by Ness Corporation for our valued customers.

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