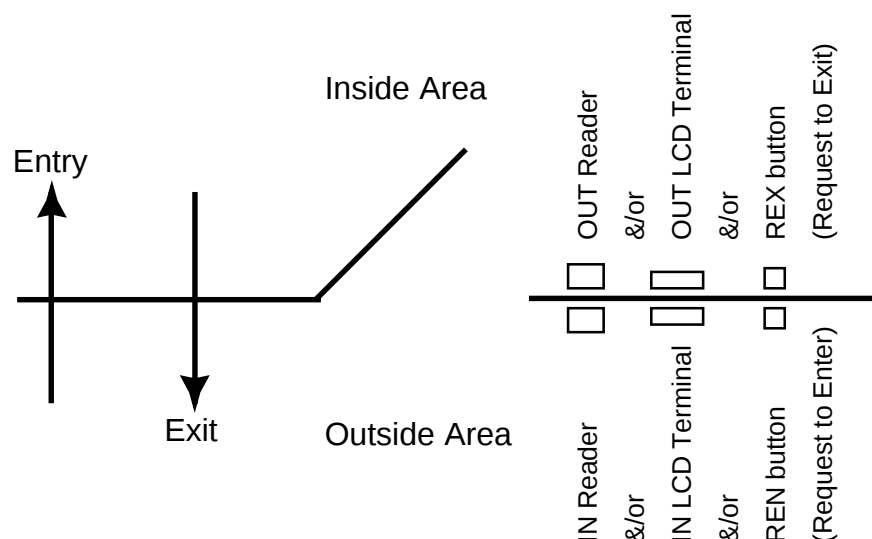


READER AREA CONTROL

Reader Area on/off control operation provides sophisticated integration between the Access Control and Security monitoring facilities in the system. A number of options have been provided to make on/off operation as flexible as possible.

The programming sequence provided here assumes that basic Door Access Control has already been programmed. See “Door Programming” in the Basic Programming Guide Section.

The diagram below illustrates the relationship between the Door, the IN and OUT devices and the Inside and Outside Areas.



1. Check/Program the Reader Module/s [MENU 7, 2, 4]

Program the relevant Area Control attributes required for each Reader Module in the system.

1.1 IF the Reader is to be used to turn an Area ON, Choose the appropriate Reader “Arming Mode”.

The available modes are:

1. “Extra Area if Zone 8”. Arm extra area if zone 8 is unsealed, then allow egress.

This mode allows the user extra area to be turned on as you egress a particular door or doors. This is useful to automatically turn on an individual user based area when using a common door. It is normally associated with the (T)urn off extra area option above.

2. “Exit Area if Count = 0”. Arm door area you are leaving if you are the last person to leave, then allow egress.

This mode can be very unreliable. It relies on every person swiping their card on both ingress and egress to work as desired. Note that REX and REN buttons cannot be used as pushing these buttons does not maintain user area counts. If the area is armed by another means, the numbers of persons in this area will be set to zero regardless. The number of users in an area can also be inspected/modified in area programming. The memory must be configured V2.00 or later to ensure that a area count structure exists. (An alternative to this mode worth considering is turning on areas when no zone activity has been detected for a period of time.)

3. “Exit Area if Zone 8”. Arm door area you are leaving if zone 8 is unsealed, then allow egress.

This mode can replace the current V01.00 mode of operation in instances where a REX button is not being used. As the user leaves, pressing the zone 8 unseal button will automatically turn on the area they are leaving. (A short exit delay may be required to allow egress out of the protected area.)

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4. *“Entry Area if Zone 8”. Arm door area on other side of door if zone 8 is in alarm. No access granted*

This mode is identical to V01.00 operation. It can be used once an area has been left (via say free access or a REX button) to arm the area on the other side of the door. Alternatively it can be associated a “dummy door” to provide a reader solely for turning on an area.

5. *“Exit Area if 3 ”. Arm door area you are leaving if card presented 3 times, then allow egress.*

This mode can be used in instances where a REX button is not being used. As the user leaves, presenting/swiping the card 3 times at the Reader within 5 seconds will automatically turn on the area they are leaving. (A short exit delay may be required to allow egress out of the protected area.)

6. *“Entry Area if 3 ”. Arm door area on other side of door if card presented 3 times. No access granted.*

This mode can be used once an area has been left (via say free access or a REX button) to arm the area on the other side of the door by presenting/swiping the card 3 times at the Reader within 5 seconds. Alternatively it can be associated a “dummy door” to provide a reader solely for turning on an area.

- 1.2 Set “Turn Off Extra Area” to Yes IF Auto Area Off is allowed at this Door (via Access Group programming) and the User’s Extra Area is to be turned Off instead of the “Inside Area” assigned to the door.

If the (T)urn off extra area option is set for this reader then the user “Extra Area” may be turned off instead of the Door Area that you are about to enter (if assigned). The user extra area will be turned off before an attempt is made to turn off the door entry area if:

1. The “User Extra Area” option exists for this User and the Area is defined.
2. The “(T)urn off User Extra Area” option is set for this reader.
3. The “(E)xta Area Off” option is set for this User.
4. The User Extra Area is currently on.
5. The User Extra Area appears in the “Area Off List” in the User’s User Type at this time.
6. The Door Access Group allows “(A)uto Area Off” for this direction through the Door at this time.

Note that if any of the above conditions is false then operation will revert to testing for Area On on the Area assigned to the Door that you are about to enter.

- 1.3 Program the parameters for the first Reader (Rdr 1) connected to the Reader Module.

-Reader location. Outside (the Reader is used to Enter) or Inside (the Reader is used to Exit).

- 1.4 Program the parameters for second Reader (Rdr 2) connected to the Reader Module.
Note: In 2 Door Mode, Rdr 1 controls the 1st Door and Rdr 2 controls the 2nd Door.
Options are the same as those for the first Reader.

2. Check/Program Access Group requirements. [MENU, 2, 4, 2]

- 2.1 IF your system has any Door Area Control requirements not provided in the current Access Groups, you may need to program additional **Access Groups**, and/or edit the default **Access Groups** as required. [MENU 2, 4, 2]
NOTE: The 3 Default Access Groups cover some basic Door access control requirements.
- 2.2 IF it is necessary to restrict the valid period of the Access Group, or provide an alternate set of Access Group permissions for different times of day and/or days of the week, assign an appropriate TimeZone to specify when the Access Group is Valid. This may be necessary if “Auto Area Off” is only to be allowed at specific times/days.
- 2.3 If a TimeZone is assigned, you may then specify an Alternate Access Group that will be used when the TimeZone specified in the previous step is Invalid.
- 2.4 Program the Entry Parameters required. Set “Auto Area Off” to Yes IF specified Users are allowed to automatically turn Off the “Inside” Area or their “Extra” Area.

-Entry Options. [B L A D]**-REN Button operation.****-DeadLock function.** Disables REN button if Outside Area is On.**-Auto Area Off.** If the Inside Area is On, allows the Area to automatically be turned off when the User Enters. (Note: Area must be in the Area Off List, in the User’s User Type)**-Dual User.** Set to Yes IF two User Codes / Cards are required to allow entry.

- 2.5 Program the Exit Parameters required. Set “Auto Area Off” to Yes IF specified Users are allowed to automatically turn Off the “Outside” Area or their “Extra” Area.

-Exit Options. [B L A D]**-REX Button operation.****-DeadLock function.** Disables REX button if Inside Area is On.**-Auto Area Off.** If the Outside Area is On, allows the Area to automatically be turned off when the User Exits. (Note: Area must be in the Area Off List, in the User’s User Type)**-Dual User.** Set to Yes IF two User Codes / Cards are required to allow exit.**3. Check/Program the Doors [MENU, 7, 6]**

- 3.1 Select the Door to edit.
- 3.2 Assign an “Inside” and/or “Outside” Area.
IF required for: **-Prevention of entry/exit into Areas that are turned On.**
-Area Off and/or On control by access Readers.
-“Anti-passback” and “Wrong Area” processing.
-Tracking of User location.
-User counting in Areas.
- 3.3 Assign a suitable Access Group. This will determine the way that the Door is controlled.

4. Initialize the LAN

Whenever any programming is done that effects Module parameters, (especially Reader Modules, LCD Terminals and Mini Expanders) the LAN must be initialized to ensure that all changes take effect.

If all modules are connected and operational, and the system is complete, perform the **Secure LAN [MENU 7, 8, 1]** or **Initialize LAN [MENU 7, 8, 2]** functions. (“Secure LAN” Initializes the LAN and sets the Encryption)

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5. Check/Program the User Types [MENU, 2, 2]

- 5.1 Select the User Type to edit.
- 5.2 For User Types that are allowed Reader Area Control, check that the appropriate “Area ON List” and/or “Area OFF List” is assigned that include the Area/s to be controlled.

6. Check/Program the Users [MENU, 2, 1]

- 6.1 Select the User to edit.
- 6.2 Check that an appropriate User Type is assigned.
- 6.3 IF User Extra Area Control is required, program the User Options. [N D L E G . . .]
Set “Extra Area Off” to Yes.
This allows the User to control the “Extra Area” defined in the next option according to the Reader Module and Door Access Group options. The User’s Extra Area will be turned Off as well as the Area on the opposite side of the Door (If defined).
- 6.4 IF User Extra Area Control is required, assigned the User’s “Extra Area”.