

ANTI-PASSBACK & “WRONG AREA” PROCESSING

These features are an enhancement to Access Control operation and are designed to monitor and/or prevent the abuse of access privileges.

When Access Control is utilized, and “Inside” and “Outside” Areas are assigned to the Doors, the system maintains a record of the Area that every User is currently in. (Note that this requires every access controlled Door to have IN and OUT Readers installed.)

Anti-Passback is used to monitor/prevent a User from Entering an Area that the system record says that they are already in. When a User presents their Card at a Door Reader, the system checks which Area:

- a) Is on the opposite side of the Door. i.e. The Area that the User is attempting to Enter.
- and b) Is recorded as being the Area that they are currently in.

As long as these two Areas are different, access will be granted. If the two Areas are the same, then an Anti-Passback violation will be recorded (Soft Anti-Passback), and the User may also be denied Access (Hard Anti-Passback)

In more complex systems where there are more than two Areas, Anti-Passback processing alone may not be adequate. In this situation, “Wrong Area” processing may be added to enhance the integrity of the system.

“Wrong Area” is used to prevent a User from Exiting an Area unless the system record says that they are currently in that Area.

When a User presents their Card at a Door Reader, the system checks which Area:

- a) Is on the same side of the Door. i.e. The Area that the User is attempting to Exit.
- and b) Is recorded as being the Area that the User is currently in.

As long as these two Areas are the same, access will be granted. If the two Areas are different, then a “Wrong Area” violation will be recorded, and the User will be denied Access.

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

- 1.1 Program a new Access Group (or select an existing Access Group if appropriate) and Check/Program the Access Group parameters as described in the Basic Programming Guide under “Access Groups”.
- 1.2 Program the Entry Anti-passback Mode.
 - None. No Anti-Passback processing will occur on Entry through the Door.
 - Soft. A Review message will be logged for Anti-Passback violations on Entry through this Door.
 - Hard. Access will be denied and a Review message logged for Anti-Passback violations on Entry attempts through this Door.
- 1.3 Program the Exit Anti-passback Mode.
 - None. No Anti-Passback processing will occur on Exit through the Door.
 - Soft. A Review message will be logged for Anti-Passback violations on Exit through the Door.
 - Hard. Access will be denied and a Review message logged for Anti-Passback violations on Exit attempts through the Door.
- 1.4 Program the Access Group options. [I D E X T]
 - Set the “E” (No ENTRY if Wrong Area) option to Yes IF Wrong Area processing is required on Entry.
 - Set the “X” (No EXIT if Wrong Area) option to Yes IF Wrong Area processing is required on Exit.

2. Check/Program the Doors [MENU, 7, 6]

- 2.1 Select a Door and Check/Program the Door parameters as described in the Basic Programming Guide under “Doors”.
- 2.2 Ensure that an “Inside” and/or “Outside” Area is assigned as required.
- 2.3 Ensure that an Access Group is assigned that provides the Anti-Passback and/or Wrong Area processing required.

3. Program the Calculated Auxiliary “Amnesty” options [MENU, 7, 5, 4]

It may be necessary to provide an option to periodically reset all Users to “Area 0” (No Area). This will allow any Users who are denied access due to Anti-passback violations, to be granted normal access again.

This may be done:

- automatically once a day via a TimeZone.
- as required via a PIN code or keyswitch etc.
- automatically when an Area is turned Off.
- etc.

This can be performed in a number of different ways. *(See table below)*

Depending on the method to be used, other functions will need to be programmed to produce the Auxiliary On/Off operation that will in turn be used in the Calculated Auxiliary to reset the User Area records.

3.1 Select a new Calculated Auxiliary to program.

3.2 Select the Calculated Auxiliary Action.

-Amnesty +ON. User Area records will be reset to “No Area” when the 1st Auxiliary turns On.

-Amnesty -OFF. User Area records will be reset to “No Area” when the 1st Auxiliary turns Off.

3.3 Define the “1st Auxiliary”.

The table below defines the additional function that will need to be programmed to produce the Auxiliary operation required.

Note that more than one method of activating the Auxiliary may be used.

e.g. A TimeZone may be programmed to turn the Auxiliary On for several seconds at 1 AM every morning to provide Anti-passback Amnesty ready for the next day. The same Auxiliary may also be turned On for several seconds by a User with a Keyswitch or Home Auxiliary at any other time that they decide Amnesty is required.

Method of Control	Programming Required
User via PIN code.	Program a Home Auxiliary [MENU, 7, 5, 5] , plus Auxiliary Timer [MENU, 5, 5]
Automatic based on Time of Day / Day of Week.	Program a TimeZone [MENU, 5, 2] and select "Auxiliary On/Off Sec" Control function.
Automatic based on Day of Month / Day of Year.	Program a Diary [MENU, 5, 4] with the "Diary Auxiliary" assigned, plus Auxiliary Timer [MENU, 5, 5]
By a Keyswitch, Pushbutton, Input, etc.	Program a Function Zone [MENU, 7, 5, 3] utilizing the Auxiliary Control options, plus Auxiliary Timer [MENU, 5, 5].
Remotely via Touch tone telephone. (V3 or later)	Program Answer Call Comms Task [MENU, 7, 3, 1] and DTMF Control [MENU, 7, 3, 3] utilizing the Auxiliary Control options.
Remotely via P.C.	Program PCDirect or ACCEPT Comms Task [MENU, 7, 3, 1] , plus Auxiliary Timer [MENU, 5, 5].