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DSX Access Systems, Inc.

Global Antipassback

Global Anti-Passback

Anti-Passback allows the system to track the in and out status of the card holders. When implemented - if an access code is In, it will only be granted access at an Out device. When an access code is Out, it will only be granted access at an In device. WinDSX provides all three forms of Anti-Passback; Hard (must read In before reading Out), Soft (which grants access to the card no matter what but when out of sequence, creates an exception alarm), and Timed (which allows a card to be read only once every X number of seconds at the same reader).

Zoned Anti-Passback is accomplished with four independent zones of Hard (In/Out), and Soft (Entry/Exit) Anti-Passback. Each reader can be in any or all of the four zones. Each card maintains a separate In/Out status for each of the four zones. This allows Anti-Passback to be used on both exterior and interior doors without the two zones affecting each other.

Resetting Card Holder Anti-Passback status to neutral can be performed manually for all Card Holders or a single Card Holder, or automatically at midnight for all Card Holders. Once the Card Holder status is set to neutral, its In/Out status is determined on the next use. In WinDSX version 3.1 with Firmware V567/3085 and lower the Master Access Level overrides Hard Anti-Passback but not Timed. In WinDSX version 3.5 with Firmware V568/3086 and higher the Overriding of Anti-Passback is a separate selection from the Master Access Level.

If Anti-Passback is used, the controllers maintains the In and Out status of each person in the system. After entering an In Device, the person will not be able to enter the same or another In Device without first exiting through an Out Device unless it is in a different zone. The reader can be in up to four Anti-Passback zones. It could be an In reader for one zone and at the same time be an In or Out reader in another zone. The card holder is denied access if the card read is in violation of the passback status to any zone.

Anti-Passback is most commonly used in parking garage systems to prevent someone from using their card to enter the garage and then passing the card back for the car behind them to use. When Anti-Passback is used in the system, a card that has been used to enter the garage must be used to go out of the garage before it may be used to enter again. The Device for the entry to the building could also be an In reader in a different zone and Out reader for the garage zone to allow the card holder to enter IN the garage and then IN the building.

Hard Anti-Passback enforces the IN > Out > IN > Out pattern of usage. You can never read IN or Out more than once in a row. There are three ways to override this feature. One is with the Anti-Passback Override feature enabled on that particular card. The second is the Anti-Passback Forgive (Reset) command in Workstation that allows all Cards or a particular Card to be reset back to neutral. The third way is to have the "Forgive Anti-Passback Each Day" feature enabled under "Location/Yes-No Options" in which all Card Holders are reset to neutral each day at midnight.

Large and busy Anti-Passback applications will benefit from having 3166 or higher firmware in the controllers. This version is much more efficient in keeping the controllers up to date with the current In and Out status of all card holders especially in very busy systems.