



DSX Access Systems, Inc.

Jetway Door Extended Bypass

Jetway Door extended bypass application

Jetway Doors require constant monitoring but often require an extended bypass in which the door can be propped open for a longer than normal amount of time. However the time the door is bypassed for normal entry and exit cannot be near as long as it is for loading or unloading. DSX can accommodate two different bypass times using a Code to Input and Time Zone link. Presenting a Card or Card+PIN once grants the card holder access. If the Card or Card+PIN is used a second time within 5 seconds the door is unlocked as normal but now bypassed for the extended time. Once the door is shut it is relocked.

Programming – Here are the general programming parameters. You will have to substitute the appropriate Device, Input and Output addresses.

Location – Select “Enable Linking Logic” and “Enable Code to Linking Logic”

Device/Input – Select “Device Used for Code to Linking Logic”. Define Input 7 for the same device with a 24 hour time zone.

Output – Create a new Virtual Output 3. Assign no Time Zone and set the “State When Linked to” to be “Secure” and the “Perform Link When” to “Secure”.

TimeZone – Create a 0-0 Time Zone and Select “Time Zone is ON when linked to”.

Linking Group – Create two new Linking Groups A and B.

Under Inputs select the Input 7 to be Bypassed, on the right select the new 0-0 Time Zone, and select a Response Type of "Pulse – X minutes". This would be how long the door should be bypassed for during loading and unloading.

In the same Linking Group under Outputs select the new Virtual Output #3, on the right select a 24 hr Time Zone, and select a Response Type of "Pulse – 5 seconds".

Create another new Linking Group B and under Time Zone select the new 0-0 Time Zone, on the right assign a 24 hr Time Zone and a Response Type of "Pulse – 5 seconds". Assign this Linking Group to the Virtual Output 3. This is how long the card holder will have to present the card+pin a second time.

Note/// The pulse time can always be adjusted for optimum performance.

Linking Levels – Create a Linking Level that associates the Device (reader) in question to the Linking Group A that contains the input 7 and output 3.

Implementation/Operation – Extended Bypass Time is afforded anyone with the proper Linking Level. A Card Holder with only an access level will gain normal access with a normal bypass time for the door. A Card Holder with a valid access level and the proper linking level for that door will unlock the door as normal on their first card read and bypass the door for the extended time upon the next immediate read.