



**DSX Access Systems, Inc.**

## **Manager In First**

### **Do Not grant access on Subordinate Cards until Manager Card is used First**

DSX can accommodate keeping subordinate cards from gaining access until a manager card is used first. This could keep subordinate cards from working at all or at particular doors until a manager is present. This application is based on the new Time Zone linking features of the WinDSX 3.7 and higher software. It requires that all controllers in the location have a 1040 processor and firmware version 3129 or higher.

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 – Select “Device Used for Code to Linking Logic”. This could be any or all Devices where a manager card would be used to allow subordinate cards to work.

Output – Create a Virtual Output. This is an Output that does not physically exist but operates as if it did. This could be Output number 3 on any Device.

TimeZone – Create Time Zone(s) “A” according to when subordinate cards should work. Select “Time Zone is OFF when linked to”. Use these Time Zones to create the subordinate Access Levels. Keep these Time Zones and Access Levels separate from the Time Zones and Access Levels used by the manager card(s).

Create Time Zone “B” that has a Start Time of when the subordinate cards should not work unless a manager card is used first. This could be when the doors lock up at the end of the day. The Stop Time would be one minute later than the Start Time. Assign this Time Zone to the Virtual Output number 3.

Create Time Zone “C” that defines when a manager card can be used to allow all other cards to be used. This would probably be sometime after the beginning of the day (Start Time 0) and before the time the subordinate cards should start working. Keeping this window narrow keeps a manager's card read after hours from inadvertently setting the subordinate cards to work the next morning.

Linking Group – Create a new Linking Group “1”. Of the Components to link to under Time Zone, select the new Time Zone “A”, on the right select a 24 hour Time Zone and a Response of “Latch”. Assign this Linking Group to the Virtual Output 3 and select “Perform Link On – Open”.

Create another Linking Group “2”. Of the Components to link to under Time Zone, select the Time Zone A, on the right select Time Zone “C” and a Response of “Time Zone”.

Linking Levels – Create a Linking Level that associates the Device (readers to be used to allow subordinate cards) in question to the above newly created Linking Group 2.

Operation – When Time Zone “B” becomes active the Virtual Output 3 secures. One minute later the Virtual Output 3 opens and activates the first Linking Group that consists of the Time Zones assigned to the subordinate Access Levels. The link forces the Time Zone to be OFF regardless of its schedule. Once a valid manager card read is received during the Time Zone “C” period the Linking Level activates the second Linking Group that sets the Time Zone controlling the subordinate Access Levels back to their schedule.

Implementation – For Access Granted by a manager card to allow subordinate cards to operate, assign the Linking Level to all manager cards. The Linking Level can include any or all doors that should recognize a manager card and allow all subordinate cards to subsequently be granted access.