



**DSX Access Systems, Inc.**

## **Alarm System Interface**

### **Interface between DSX and Alarm Panel**

The following explains how to set up the double swipe and it's function, I would like to implement the ability to pulse the arm disarm output on a single card read only when the system is currently armed.

Create a new 0-0 Hour Time Zone. The Start and Stop Times are both 0.  
Set the Time Zone to ON when Linked To.  
Name the Time Zone - Arm Disarm (or something similar)

Create a Linking Group that contains the Output that is used to Arm/Disarm.  
Name the Linking Group – Arm Disarm (or something similar)  
Use the “Arm Disarm” Time Zone with a Response Type of Pulse.

In the same Linking Group, add the “Arm Disarm” Time Zone.  
Use the 24 Hour Time Zone with a Response Type of Pulse.  
Set the Pulse Time to 3 seconds. This will give them 3 seconds to double read their card.  
Adjust this Pulse Time as necessary.

Create a Linking Level that activates the “Arm Disarm” Linking Group.  
Assign this Linking Level to the cards that can Arm Disarm the system.

Create another linking group named “Alarm System Override”  
select the Arm/Disarm TimeZone – use a 24 hour time zone and set the response to Follow

Define an input (0:5) that you connect the armed status output to.  
No Time Zone  
Activates Linking Group - Alarm System Override -  
Links On – Status Change  
Wire this so that when the Alarm System is armed the DSX input is AbNormal

If the system is armed and someone badges their card one time, the door operates as normal and since the alarm panel is armed it will pulse the Arm Disarm Output. When the System is disarmed This first card read will activate the Linking Level and attempt to Pulse the Arm Disarm Output. The Output will not activate because the Time Zone (0-0) is not active. The first card read will also Pulse the 0-0 Time Zone, thus turning it into a 24 Hour Time Zone for the amount of the Pulse Time (3 seconds). Now that the Time Zone is ON, a second card read within 3 seconds of the first will Pulse the Arm Disarm Output.