Handicap Doors

Operation

Opening Exterior Doors equipped with Handicap Door Opener hardware can be facilitated by DSX.

- Doors may be programmed to disable the Handicap Door Opener when the doors are locked by Time Zone.
- Exterior Doors may have the Door Opener disabled due to Time Zone while Interior Door Openers remain functional.
- Valid card reads can grant entry and enable the Door Opener.
- Authorized Card Holders have the option of using the Handicap Door Opener or opening the Door manually.
- A Linking Level can be established to automatically activate the Door Opener when a Card with that Linking Level is used at a reader.

The Programming information below applies to securing an Exterior Door while Interior Doors are operational.

Programming

To secure and disable an Exterior Door while Interior Doors are operational

Components – Inputs, Outputs, Time Zones

Reader (Device) = Time Zone controls when cards can be read. (Typically 24-hr)
Output 1 = Door Lock - Door Lock Time Zone, Link Open - Linking Group 3 - Activates Link on Open
Output 2 = Door Opener - No Time Zone, Link Secure
Output 3 = Virtual Output Timer - 24 hour time zone - Link Open - Linking Group 1 - Activates Link on Secure
Input 5 = Inside Push Button - No Time Zone, Link on Status Change (normal to abnormal) - Linking Group 2
Input 6 = Outside Push Button - No Time Zone, Link on Status Change - Linking Group 4
Time Zone = Outside Button - 0-0 schedule - On when linked to.

Linking Groups

Linking Group 1 = Output 2 - 24 hr time zone - Pulse 2 Seconds (if two seconds is long enough to start the door opener - pulse time can be varied)
Linking Group 2 = Output 1 - 24 hr time zone - Pulse 5 seconds + Output 3 - 24 hr time zone - pulse 1 second.
Linking Group 3 = Time Zone Outside Button - 24 hr time zone - Follow
Linking Group 4 = Output 1 - Outside Button Time Zone - Pulse 5 seconds + Output 3 - Outside Button time zone - pulse 1 second.
Linking Level 1 = This Door's Reader & Linking Group 2 - Assigned to Specific People to automatically activate door opener.

Theory of Operation

Output 1 is connected to the Lock.
Output 2 is connected to the Door Opener.
Outside and Inside Buttons are connected to inputs 5 and 6.
Outside Button works while door is unlocked.
Inside Button Works all the time.