DSX Access Systems, Inc.

Separate Alarm Outputs per Door

Separate Alarm Outputs for Door Held / Door Forced

When a system is using a digital communicator to report alarms offsite after hours, it is sometimes necessary to distinguish between "Door Open too Long Alarm" and "Door Forced Alarm".

To achieve this separation in alarm conditions requires a small amount of programming, two inputs and two outputs. The door contact is used to trip both input 6 and 7 when the door is open. The common for both inputs circuits would run through the door contact so when the door is open both inputs are faulted. For this example we will be using Input 6 and Input 7.

Input 6 acts as the Held Open Input and will link to a discreet Held Open Output. Input 6 is armed via time zone (time zone defines when door is armed) and given an Abort Delay Time of the desired "Held Open Time". When the door has been propped it will go into alarm when the abort delay time runs out. It will then link to the Held Open alarm output.

Input 7 is assigned the same time zone as input 6 but with no more than 1 second abort delay time. Under the Device definition for this door program the "Open too Long Time" with "0" which will provide an indefinite open too long time for input 7. This way only when forced will input 7 link on alarm to the Forced Open alarm output.