



**DSX Access Systems, Inc.**

## **Clean Room Door Annunciation**

### **Clean Room Alarm Annunciation**

In an application of multiple rooms being accessed from a common area, lobby or hallway there is a sounder and light above each door. Any one door can be opened by itself without an alarm but when more than one door is open the sounder and light above each open door must annunciate until door is closed or alarm is reset.

To perform this annunciation there must be two relay outputs per door. Output A and Output B. The two outputs are wired in series to form an AND so that both outputs are required to activate for the sounder and light to operate. Each door activates its own distinctive linking group on a status change. Each door's group consists of its own output A and the other 3 doors output B all with a 24 hour conditional time zone and a response of follow. The inputs activate their linking group on a status change. If two or more doors are open they each activate their own output A and the other 3 doors output B. With more than one output active the AND condition becomes true and power flows through the two relays to the individual sounder and lights. When the doors are closed the annunciation stops.