Clean Room Annunciation

Clean Room Operation

To maintain Clean Room integrity, care must be taken to prevent contamination. In an environment with multiple clean rooms connected to a common area, this application only allows one door to open at a time. When one door to a common area is opened, all other doors to the area lock.

In the event that the system is breached, an alarm is triggered. A sounder and light placed above each door alerts occupants or cardholders to the forbidden activity. The sounder and light annunciate, or remain in alarm, until door is closed or the alarm is reset.

Configuration

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 the alarm triggering the sounder and light.

Each door activates its own distinctive linking group on a status change.

Each door's group consists of its own output A added to output B from the other doors.

All follow 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 output B of the other doors.

With more than one output active, the AND condition becomes true. This triggers the power to flow through the two relays to the individual sounder and lights.

The annunciation stops when the doors are closed or the alarm is reset.