Elevator Control Software Programming

USING SECURITY LEVELS FOR ELEVATOR CONTROL

The Elevator Control programming allows for Security Levels to define Floor Access parameters. However, this function differs from normal Security Level programming. When an “Access Device” is read inside the elevator, the Elevator System will check the time of day and look until it finds a match, then activate the appropriate floors. If it finds a match in the time of day it will not continue to check other Time Zones. This can create a problem if you have overlapping Time Zones.

Here is an example: Relays 3 & 4 are Elevator Readers. Floors 2-10 have 24/7 access for tenants. Floor 11 is restricted to the hours of 7:00AM to 11:00PM.

Here is how you would need to program this:

SL02
- TZ1 12:00AM – 06:59AM, Relay 3 & 4, Floors 2-10
- TZ2 07:00AM – 10:59PM, Relay 3 & 4, Floors 2-11
- TZ3 11:00PM – 11:59PM, Relay 3 & 4, Floors 2-10

As you can see, each minute of the day is covered, and the appropriate floors are enabled according to the time parameters.

Here are some examples of what would not work:
- TZ1 12:00AM – 11:59PM, Relay 3 & 4, Floors 2-10
- TZ2 07:00 AM – 11:00PM, Relay 3 & 4, Floor 11

In this set up, the Elevator checks time, sees TZ 1 and denies access to floor 11. Once it finds a time that matches, it will stop searching additional Time Zones.
- TZ1 07:00AM – 11:00PM, Relay 3 & 4, Floor 11
- TZ2 12:00AM – 11:59PM, Relay 3 & 4, Floors 1-10

In this set up, from the hours of 7AM – 11PM only floor 11 will work.

Please refer to this when programming for Elevator Floor Access.

Please contact DoorKing for more information.

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