



## Pinnacle Application Note

### Use of the Pinnacle Counter Utility To Disarm/Arm Doors in A Multi-Tenant Facility

PinApp #04-001

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#### Overview

The client has a multi-tenant building. There will be a motion detector in the lobby. Each client suite will have a motion detector and or contact on the door. They want the front lobby to disarm when the first person comes in. Their card will also disarm their own suite. Subsequent reads on the "in" reader will deactivate the appropriate suite. As each tenant cards out their counter will decrease until it reaches 0, when the 0 count for that suite is reached the suite will re arm. When the last tenant has left the building, the lobby re-arms. Until the next valid card comes in, resetting the whole sequence.

#### Equipment Needed

Pinnacle and the appropriate controllers to handle the anti-passback and the amount of required inputs.

#### Setup

1. Configure an "in" and "out" reader on Pinnacle enforce anti-passback.
2. Configure each input that will be need for the Motion detectors or door contacts.
3. Configure a filter for all Admit In events.
4. Configure a filter for all Admit out events.
5. Configure a filter for each suites cardholder group for the Admit In event.
6. Configure a filter for each suites cardholder group for the Admit Out event.
7. Launch ckpcounter.exe
8. Set the counter name and its counts to zero.
9. The increment filter should be set to the filter for all Admit In events.
10. The decrement filter should be set to the filter for all Admit Out events
11. Configure the associated "Inputs" for the lobby to shunt when the count is >0
12. Configure the associated "Inputs" for the lobby to un-shunt when the count is <1
13. Save this configuration to a file for ease of future configuration.
14. Launch another occurrence of ckpcounter.exe
15. Set the counter name to the appropriate suite name
16. The increment filter should be set to the filter for all Admit In events for this suite.
17. The decrement filter should be set to the filter for all Admit Out events for this suite.
18. Configure the associated "Inputs" for the suite to shunt when the count is >0



19. Configure the associated "Inputs" for the suite to un-shunt when the count is <1
20. Save this configuration to a file for ease of future configuration.
21. Repeat steps 14 through 20 as many times as needed for the suite values.

### **System Operational Requirements**

These counters must always be kept running for the system to work properly. All cardholders will need to card in or card out of the system in order to maintain the proper accounting of people in the building. A secondary interface can be configured to reset the counters to zero if the customer requests, as well as indicates which suites are still occupied by the computer count.

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