

## “The Door Switch” System Component Questions

How many Door Switch Assemblies are needed?

- This is the number of monitored doorways in the facility.
  - Order based on the frame width, doorway handing, and whether the doorway has butt hinges or center hung pivots.

How many Header Assemblies are needed?

- This is dependent on the number of monitored doorways in the facility with butt hinges and/or center hung pivots with a minimal inset of the door.
  - Order based on the frame width.

How many Electrified Hinge Assemblies are needed?

- This is the number of monitored doorways in the facility.
  - Order based on the handing of the doorways as RH/LHR or LH/RHR.

How many Continuous Hinges are needed?

- This is dependent on the number of monitored doorways in the facility with butt hinges.
  - Order based on the frame height.

How many Keyswitches are needed?

- This is the number of monitored patient rooms in the facility.
  - Order based on wall or frame mounting.

How many Control Panels are needed?

- Each control panel can monitor 96 doorways.
- A maximum of 8 control panels can be linked together to monitor up to 768 doorways.

How many Panel Linking Modules are needed?

- You need 1 panel linking module for every control panel to be linked.

How many Serial Interface Modules are needed?

- You need 1 to connect a computer to the control panel for system programming.

How many USB Serial Adapters are needed?

- You need 1 to connect a computer to the control panel for system programming.

How many Deluxe Keypads are needed?

- You need at least 1 deluxe keypad.
- More may be used for ease of system monitoring.

How many Supervised Notification Modules are needed?

- If 2 or more independent alarms are needed, then add supervised notification modules to accommodate the requested number of independent alarms and do not use the alarm notification bus on the control panel.
  - Each control panel has 1 alarm notification bus that can activate a maximum of 17 audible alarms simultaneously.
  - Each supervised notification module adds 2 independent alarm notification buses and each bus can activate a maximum of 12 audible alarms simultaneously.

How many Audible Alarms are needed?

- You need at least 1 audible alarm for every active independent alarm notification bus.

How many Strobe Lights are needed?

- This is the number of monitored patient rooms in the facility.

How many Strobe Relay Modules are needed?

- This is the number of monitored patient rooms in the facility.

How many Switch Interface Modules are needed?

- This is the number of monitored doorways in addition to the first monitored doorway of a patient room.

How many Polling Loop Extenders are needed?

- This is dependent on the number of 2-door and 1-door patient rooms and how the rooms are to be grouped. **Reference riser diagram for polling loop component power requirements.**
- Each control panel and polling loop extender adds 12 or 16 patient rooms.
  - A polling loop wire run should not exceed:
    - 6 – 2-door patient rooms
    - 8 – 1-door patient rooms

How many Short Circuit Isolators are needed?

- You need 1 short circuit isolator for every polling loop wire run.

How many Auxiliary Power Supplies are needed?

- This is dependent on the number of components used in the system. **Reference riser diagram for component power requirements. (When calculating power needed, consider 1 strobe activated for every polling loop wire run.)**
- Each control panel has 750mA of auxiliary power.
- Each auxiliary power supply adds 1750mA of auxiliary power.

How many Stopper Domes are needed?

- There is no minimum required. May be used to protect the audible alarms and the strobe lights from vandalism.