



The Advantages of Mounting a Vicon VAX controller above the door

Installing a Vicon VAX controller directly at/above the door as it is designed for. This controller has many advantages that separate it from a traditional installation of controllers back in an equipment/maintenance closet or IT room.

#1 Advantage – significantly less cabling material, less time and manpower to run cables, less time and manpower to administer and troubleshoot.

#2 Advantage – never requires more than one technician to configure, test and troubleshoot a door since the controller, all peripherals and cabling are all in one place – at the door. The controller has on-board diagnostic tools through secure technician menus and an LCD screen that allow review and testing of network communication plus reader, inputs and outputs function and state. A traditional system often requires two or more technicians as one is required at the door and one at the controller/software end and a method to communicate to each other (two-way radio, cell...).

#3 Advantage – eliminates need for external lock power supply (and its cabling) since lock power can be provided directly from the VAX controller (12VDC @ 500mA). (Note: use of a VAX two-door controller may require external power for second strike).

A typical 'homerun' cabling topology of a traditional install requires long spans of multiple cables for a reader (6), strike (2), REX/PIR (2), door contact (2) and optional autodoor opener (2) routed up to 500' distances; this equates to additional cost, time and manpower.

Mounting at or above the reduces materials and manpower since the longest cable run for the above suggested cabling may be 10' or less; this equates to savings and cost reductions. Just a single Cat5/6 network drop back to the PoE source on the network and you are done!