



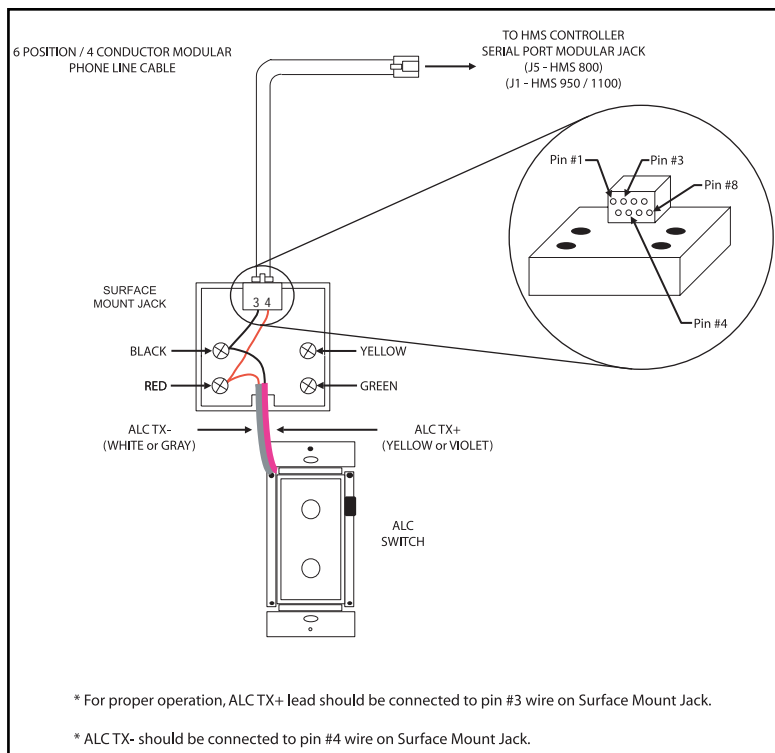
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## Installation/Instruction Sheet HMS Controller ALC Interface Kit IS-0118 Rev. B

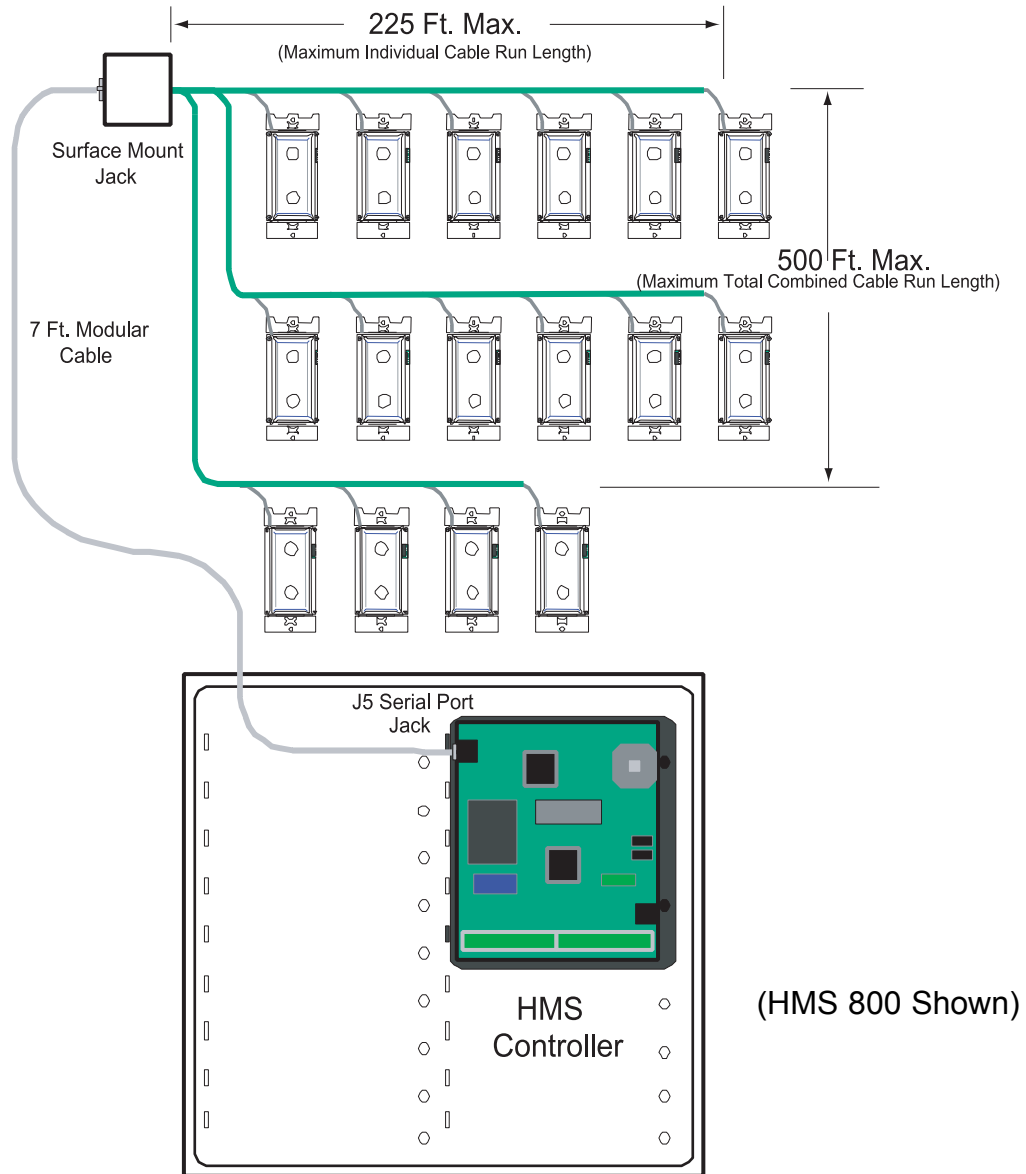
### ALC Interface Kit Installation Tips

1. To install an HMS Controller, follow all installation and setup instructions outlined in the specific HMS Controller Installation Manual.
2. When interfacing the HMS Controller to an ALC system using a surface mount jack and 6 position, 4 conductor reverse style modular cable (i.e., the conductors are reversed at each end), refer to the specific HMS Installation Manual for serial interface application instructions.
3. When using HMS Controller ALC Interface Kit (P/N 364408-01), follow the installation instructions as shown on page 2 of this document.
4. Ensure that the polarities of the ALC communication leads are properly maintained.
5. Ensure that all ALC communication leads and interconnection cables and splices are properly insulated. Electrical shorts to other wiring or metallic surfaces will cause loss of communications. Ensure that ALC communication leads do not become pinched or pierced during installation of the ALC switch into the wall box or during assembly of the cover plate to the ALC switches.
6. When the ALC switches are properly setup and connected to the HMS controller, the HMS controller's Rx & Tx LED's (located on the top left corner of the controller) will both flash very rapidly, indicating successful two-way communication activity.
7. A maximum of 16 ALC switches may be directly connected to the HMS 800. A maximum of 31 ALC switches may be directly connected to the HMS 950 and HMS 1100. Four-pair category cable (i.e. CAT3 or CAT5) is recommended for ALC communication wiring. ALC switches should be installed utilizing a homerun or star - star wiring method. The recommended maximum length of any individual communication cable run is 225 feet. The maximum combined communication cable length per system is recommended not to exceed 500 feet. Refer to page 2 of this document.
8. Refer to the ALC switch installation instructions (IS 408-4277) for switch installation and unit addressing details.

**HMS Controller  
ALC Interface Kit  
(P/N 364408-01)  
Hook-Up Diagram**



**Installation/Instruction Sheet**  
**HMS Controller ALC Interface Kit**  
**IS-0118 Rev. B**



HMS ALC Branch Wiring Diagram