

FS90 VERTITRON EXAMPLE

1 Blue 120VAC FS90 Board ,

1 Blue 120vac aux relay module, or other relay for PHII signal

1 MY4N or other relay if high loads are present for STP or CC contacts

Each installation may be different. DUPLEX may require additional changes to PHI circuits

NOTE: THIS DIAGRAM USES THE SAFETY CIRCUIT TO PROVIDE ALL POWER. DO NOT BRING ANY OTHER CONTROLLER POWER INTO THE SYSTEM, AS YOU COULD BACK FEED THE SAFETY CIRCUIT CAUSING AN UNSAFE CONDITION.

NOTE: The STP and CC contacts are capable of handling about an amp of current. Use them to drive larger relays if you have a significant load (Valves, Relays Etc.)_

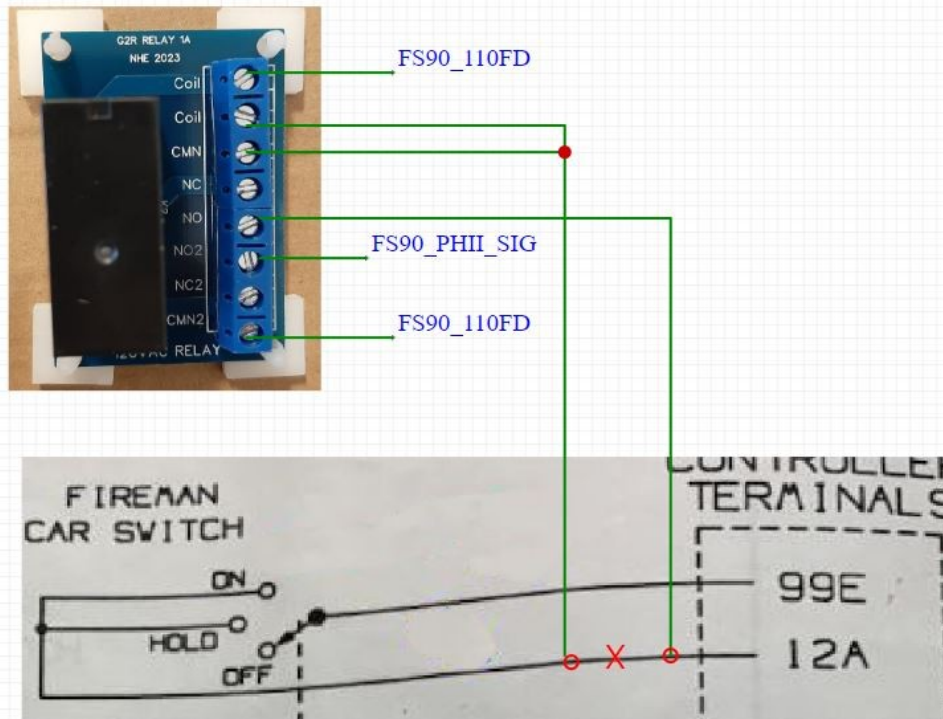
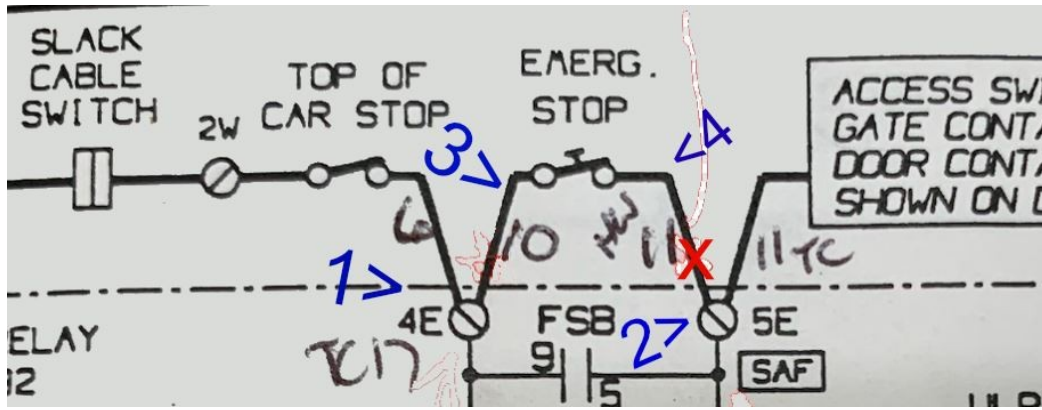
Red X indicates cut in existing circuit.

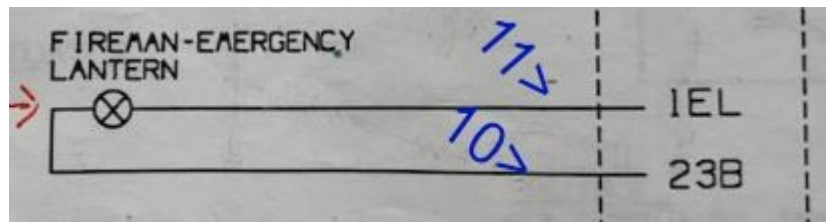
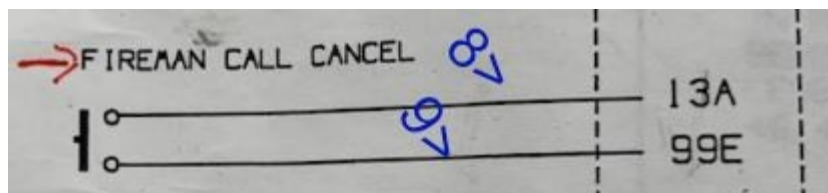
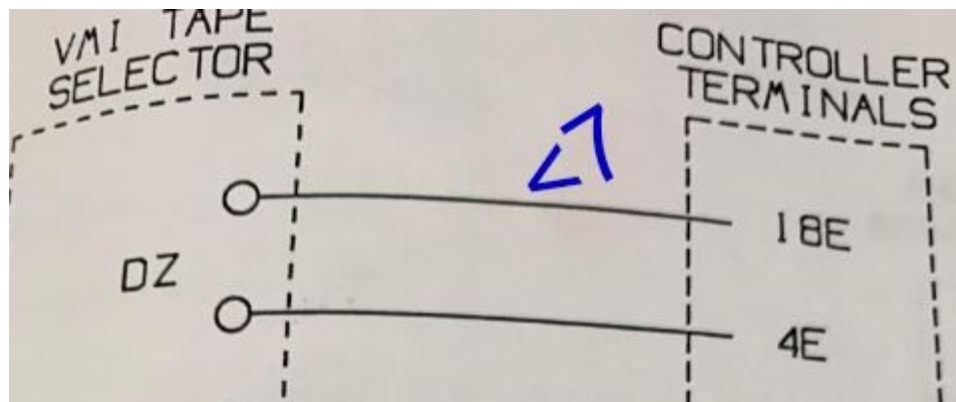
Blue numbers on marked up drawings relate to the corresponding note numbers below

Step	Wire#	Instruction
1		Connect to 110FD, STP, KEY_STOP_FD,
2		Connect to remaining STP terminal on the FS90 Board
3		See 1 above
4		Connect to KEY STOP RT terminal on the FS90 Board
5		See PHII AUX RELAY BELOW
6		See PHII AUX RELAY BELOW
7		Connect to DZSIG on FS90 Board
8		Connect to one of the CC terminals on the FS90 Board
9		Connect to remaining CC terminal on FS90 Board
10		Connect to PHI_INIT terminal on FS90 Board. - PHICOM JUMPER on EXT Terms
11		Connect to SMKCOM terminal on FS90 Board
12		Coonect 110RT to 110 Return on controller (probably 99E, but verify)

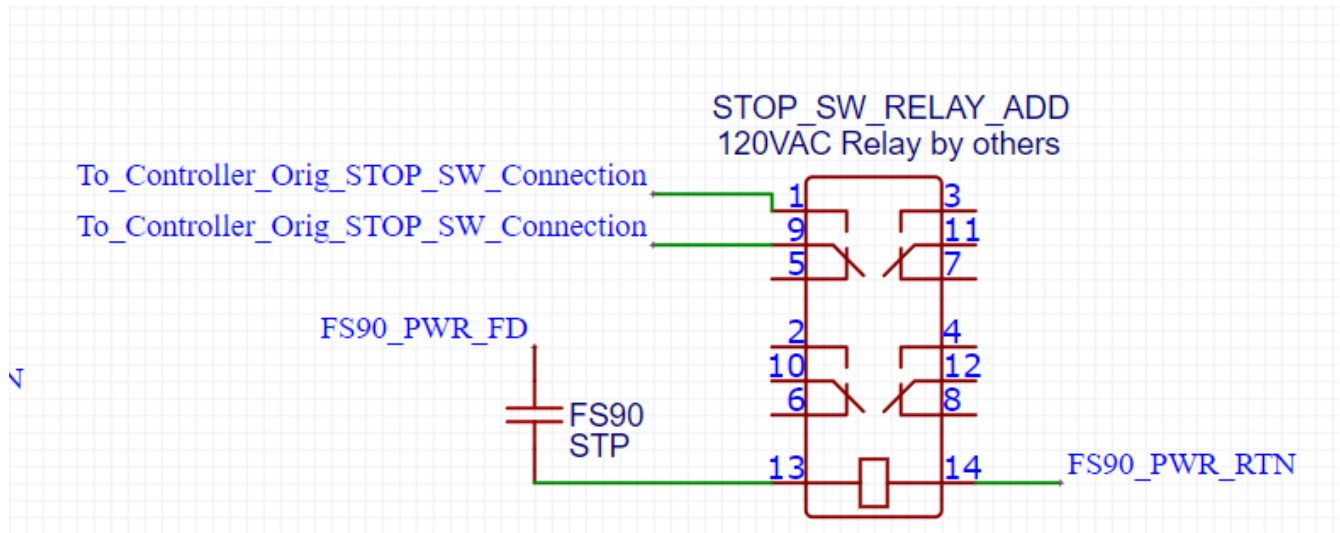
NOTE BEFORE STARTING:

- * These instructions assume that the in car hat stays on with car on PHI at fire floor with doors fully open.
- * Test PHII doors while holding the CC button before beginning. If doors do not operate properly you may have to break up the Car Call button feed instead of using the CC terminals to parallel the Call Cancel Button. In this case, you'd use the CC terminals to pull a relay and break a n/c contact that would normally feed the Car Calls.
- * Call car to Fire floor using the PHI Hall Key. Does the in car fire light stay on after the doors open fully?
- * Place car on PHII. While holding the Call Cancel button, try to set up a call. No call should be accepted.
- * Close the car door on PHII. While holding the Call Cancel button, try to set up a call. No call should be accepted, and the car should not move. If a call is accepted you will need to break up the car call button feeds.





STP Relay add for higher loads



Alternate CC hookup if Call Cancel test above fails

