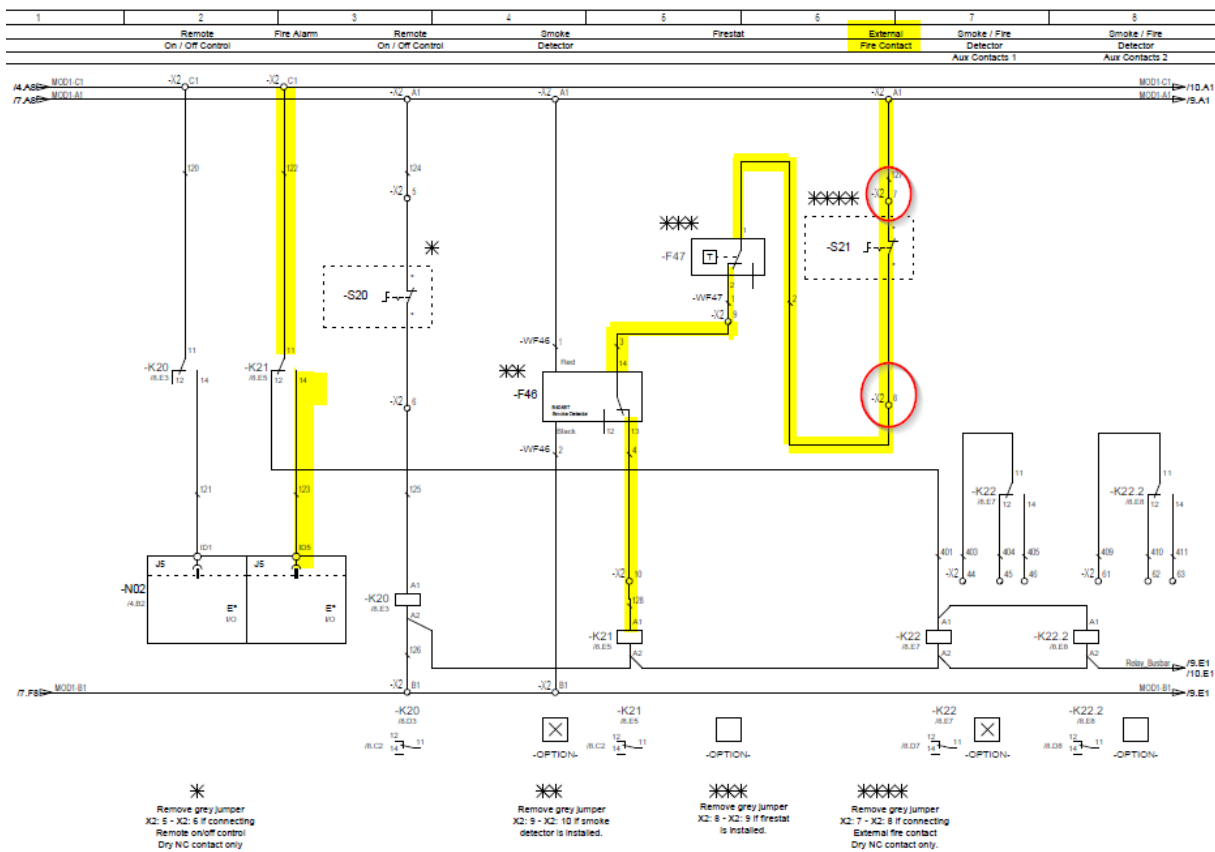


## Fire Panel Interface to the Stulz E2 Controller

There are 3 methods of interfacing the STULZ unit to a building fire panel. The installer must decide which method works best for their particular jobsite and conforms to local fire regulations. **Method #1** is wiring to the "External Fire Contact" terminals. With this method, a normally closed contact from the fire panel is wired in series with the STULZ unit Smoke Detector alarm circuit. Each unit must be manually restarted (after a Fire event/test) from the E2 display when utilizing this method. **Method #2** is wiring to the "Remote Power Off" terminals. This method removes the 24vac power supply from the STULZ unit E2 controller. This method allows the Fire panel complete control as it does not utilize the E2 controller. The unit will restart automatically when the Remote Power Off contact is restored to normally closed. **Method #3** is wiring to the "Remote On/Off terminals" of the STULZ unit. With this method, a normally closed contact from the fire panel is wired in series with the STULZ unit Remote On/Off circuit. The unit will restart automatically when the Remote On/Off contact is restored to normally closed. See the following for detailed information on each method.

### .1.) Example: How to terminate wire to the "External Fire Contact" terminals of the STULZ unit.



## Product Support

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(fire panel wiring continued)

- A. Remove "Grey Jumper" from between terminals X2.7 and X2.8 in the STULZ unit.
- B. Provide a normally closed contact (Min. rating of 24vac, 15 MA) from the fire panel to terminals X2.7 and X2.8 in STULZ unit.
- C. Opening of contact removes 24vac from the Smoke Alarm input of the STULZ unit E2 controller. This results in an alarm message on the E2 display and subsequent microprocessor controlled immediate shutdown of the unit functions.
- D. The E2 controller and display will remain powered and displaying the "Smoke Alarm" message (as shown below).

Fig. 1

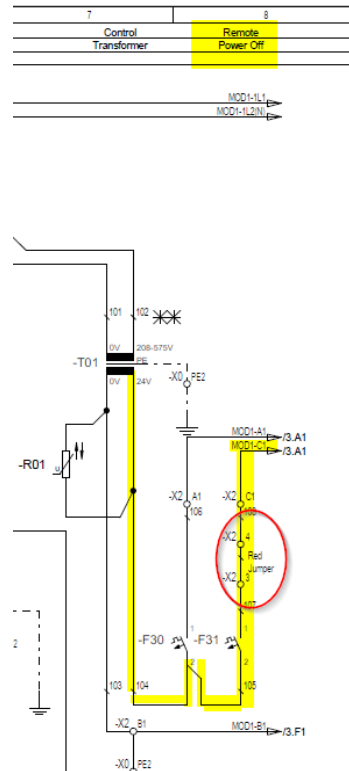


- E. Restore normally closed contact between X2.7 and X2.8 to restore 24vac to the Smoke Alarm input of the E2 controller. Each individual unit will require the Smoke Alarm to be reset at the E2 display or thru BMS. Each individual unit will need to be manually turned back "On" at the E2 display.

Fig. 2



2.) Wiring to the "Remote Power Off" terminals of the STULZ unit.



- A. Remove "Red Jumper" from between terminals X2.3 and X2.4 in the STULZ unit.
- B. Provide a normally closed contact (min. rating of 24vac/2amp) from the fire panel to terminals X2.3 and X2.4 in the STULZ unit.
- C. Opening of contact removes 24vac power supply to the STULZ unit E2 controller resulting in an immediate shutdown of all unit functions.
- D. Standard display will be completely blank. Touchscreen display will be blank except for "Terminal Alone" at the bottom of the screen.

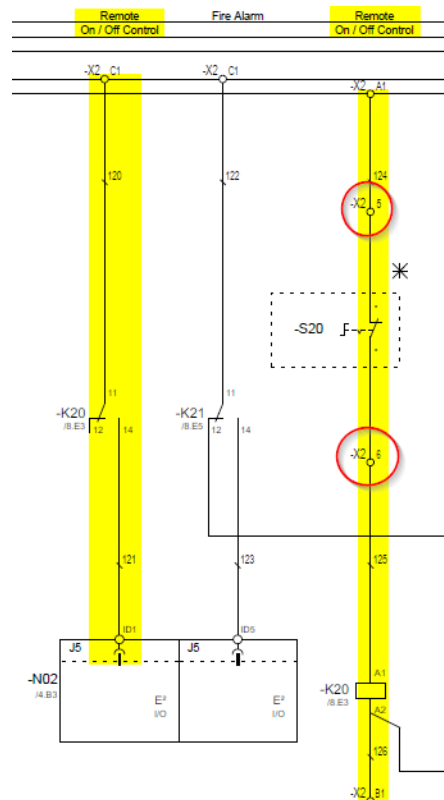
## Product Support

Fig. 3



E. Restore normally closed contact between X2.3 and X2.4. The unit will restart and resume normal operation. Unlike method #1, there is no need to do any manual reset/restart of the unit controller. All units can be brought back online from the fire panel when this method is utilized.

### 3.) Wiring to the "Remote On/Off" terminals of the STULZ unit.



## Product Support

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- A. Remove "Grey Jumper" from between terminals X2.5 and X2.6 in the STULZ unit.
- B. Provide a normally closed contact (min. rating of 24vac, 15MA) from the fire panel to terminals X2.5 and X2.6 in STULZ unit.
- C. Opening of contact removes 24vac from the Remote On/Off input of the STULZ unit E2 controller. The E2 controller remains powered, displays "Off by Remote Shutdown" and shuts down unit functions.
- D. When utilizing this method, it will be necessary to set the E2 parameter "EPO (emergency power off) option" to "1(on)". This will override any fan or other shutdown delays in the E2 resulting in the E2 shutting down all outputs immediately. This parameter is located in the Service>Options menu.
- E. Restore normally closed contact between X2.5 and X2.6. The unit will restart and resume normal operation. Unlike method #1, there is no need to do any manual reset/restart at the E2 display. All units can be brought back online from the fire panel when this method is utilized.

Fig. 4

