

SETTING UP A SAFETY CONFIGURATION: TWO-HAND PRESS CONTROL WITH LIGHT CURTAIN

For information on the initial electrical connections that are required for this configuration, see the **Basic Setup** instructions at www.sensing.net/asi-solutions

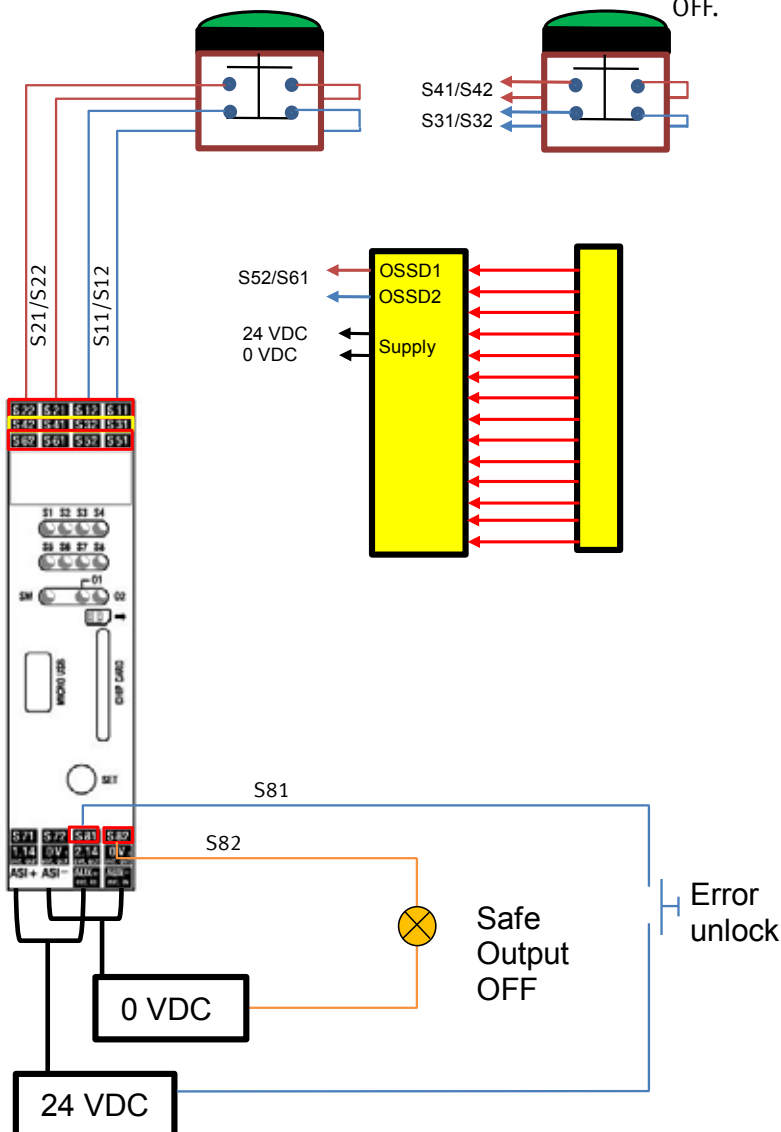
Example 5 – Two-hand press control with light curtain

In this example, two safety palm buttons (e.g., Pepperl+Fuchs' capacitive safety palm button PB1-xx or PB2-xx) and an electronic light curtain are connected to the safety controller. For two-hand control, the following must be achieved in order to activate the safe output of the controller and thus cycle the press:

- Continuity – both palm buttons must remain activated for the entire time of the press stroke
- Synchronicity – the two palm buttons must be activated within 500 ms of each other
- Antitie-down – when one palm button is released, the other button must also be released before another press cycle can be started

Access to the press is also protected by an electronic light curtain. Should this light curtain be interrupted while the press is being cycled, the safe output turns OFF.

Continued on next page.



SETTING UP A SAFETY CONFIGURATION: TWO-HAND PRESS CONTROL WITH LIGHT CURTAIN

For information on the initial electrical connections that are required for this configuration, see the **Basic Setup** instructions at www.sensing.net/asi-solutions

Example 5 - Continued from previous page.

With two safety palm buttons

- PB 1 connected to S11/S12 and S21/S22
- PB 2 connected to S31/S32 and S41/S42

One safety light curtain

- Safe outputs from light curtain are connected to S52/S61
- Power the light curtain from the same power supply used to power the safety controller

Feedback output signaling that OSSD1 has been deactivated

- Output S82 is ON when safe output OSSD1 is OFF

Error Unlock

- The Error Unlock function is activated by applying +24 VDC to S81

S-591					State of output switching element 16 - inverted
S-640		S82			State of message output 1 - inverted
S-641					State of message output 2 - inverted

Instead of “**State of message output 1 – inverted,**” “**State of output switching element 1-inverted**” can be used.