

# EXPANSION PORT SETUP FOR A SIMPLE E-STOP CIRCUIT

For information on the initial electrical connections that are required for this configuration, see the **Basic Setup** instructions for the case that uses the expansion port at [www.sensing.net/asi-solutions](http://www.sensing.net/asi-solutions)

## Expansion Example 1 – Simple e-stop circuit

Depressing any one of the e-stops will deactivate safe output OSSD1. Once all e-stops are in their released state, they must be activated (reset) using the green LED pushbutton. Now the safe output OSSD1 will activate. The reset button must be pushed for at least 50 ms but no longer than 2 sec.

- Three illuminated dry-contact e-stops connected to AS-Interface G10 safety modules
  - o E-stop 1 has been assigned ADR=1
  - o E-stop 2 has been assigned ADR=2
  - o E-stop 3 has been assigned ADR=3
  - o E-stop LEDs are used to indicate which e-stop is in the depressed (i.e., safe) state

- One AS-Interface LED pushbutton module
  - o Pushbutton module has been assigned ADR=9A
  - o Green button is used as a reset input
  - o Green button LED flashing indicates that system is in a resettable state (i.e., all e-stops are in the released state)

