Hookup of an Emergency Stop Pushbutton to a 5851008 Series ESO Controller

CONCOA
PRECISION GAS CONTROLS

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1 The emergency stop pushbutton is provided in 3 pieces that must be assembled.

Pushbutton Assembly
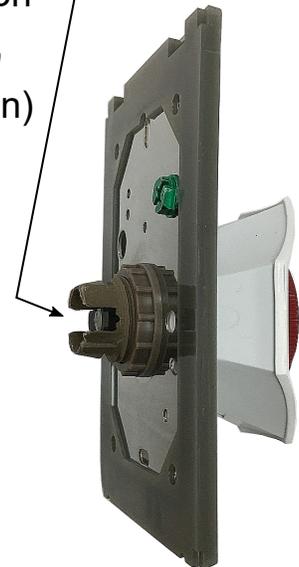
Terminal Block Assembly

Enclosure Assembly

2 The pushbutton must be released in order to attach the terminal block assembly. Twist and release the pushbutton.
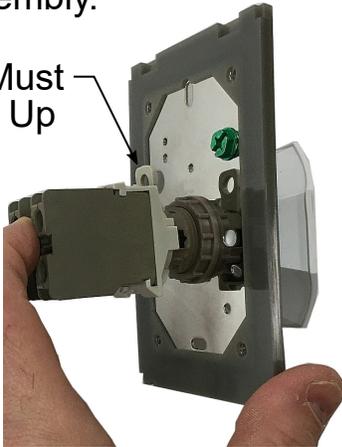

Pushbutton Depressed

Pushbutton Released ("Normal" Condition)

3 Press the terminal block assembly into the socket on back of pushbutton assembly.

Tab Must Point Up

4 Assemble the pushbutton and terminal block to the enclosure. Refer to the manufacturer's instructions.
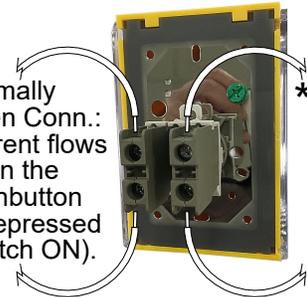
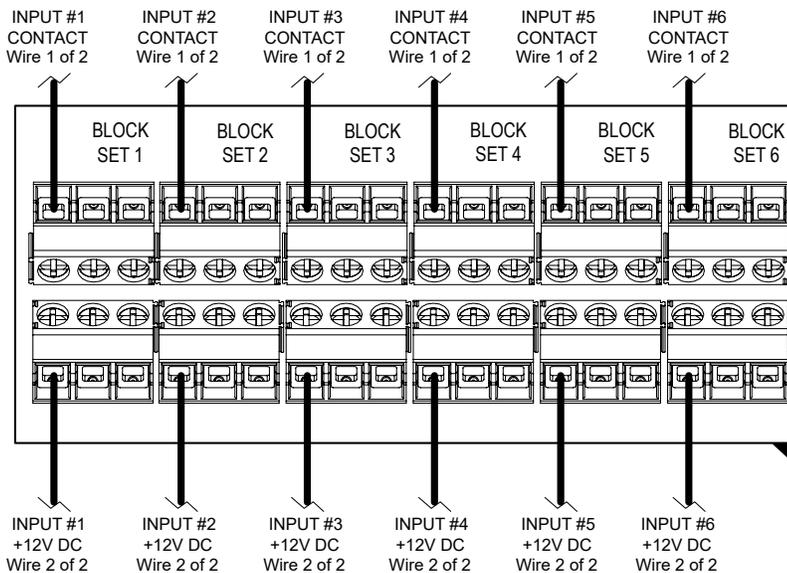**5** Connect one device to either the "Normally Open" or "Normally Closed" terminal block.

* Normally Open Conn.: Current flows when the pushbutton is depressed (switch ON).

* Normally Closed Conn.: Current flows when the pushbutton is released (switch OFF).

* Verify by looking at the terminal block. The normally open block reads "NO". The normall closed block reads "NC".

6 Connect the pushbutton to the desired input channel (6 are available) on the 5851008 Series Emergency Shutdown Controller as shown below. Refer also to CONCOA instructions document 99065850 (ADI5850) and the manufacturer's instructions.

EMERGENCY STOP

PUSH

LIFT HERE

5851008 Series ESO Controller Top Left Corner

INPUT #1 CONTACT Wire 1 of 2	INPUT #2 CONTACT Wire 1 of 2	INPUT #3 CONTACT Wire 1 of 2	INPUT #4 CONTACT Wire 1 of 2	INPUT #5 CONTACT Wire 1 of 2	INPUT #6 CONTACT Wire 1 of 2
BLOCK SET 1	BLOCK SET 2	BLOCK SET 3	BLOCK SET 4	BLOCK SET 5	BLOCK SET 6

INPUT #1 +12V DC Wire 2 of 2	INPUT #2 +12V DC Wire 2 of 2	INPUT #3 +12V DC Wire 2 of 2	INPUT #4 +12V DC Wire 2 of 2	INPUT #5 +12V DC Wire 2 of 2	INPUT #6 +12V DC Wire 2 of 2

Optional Routing at Top Conduit Inlet

Note: +12 V is provided by the ESO controller. Polarity at the emergency stop button does not matter.