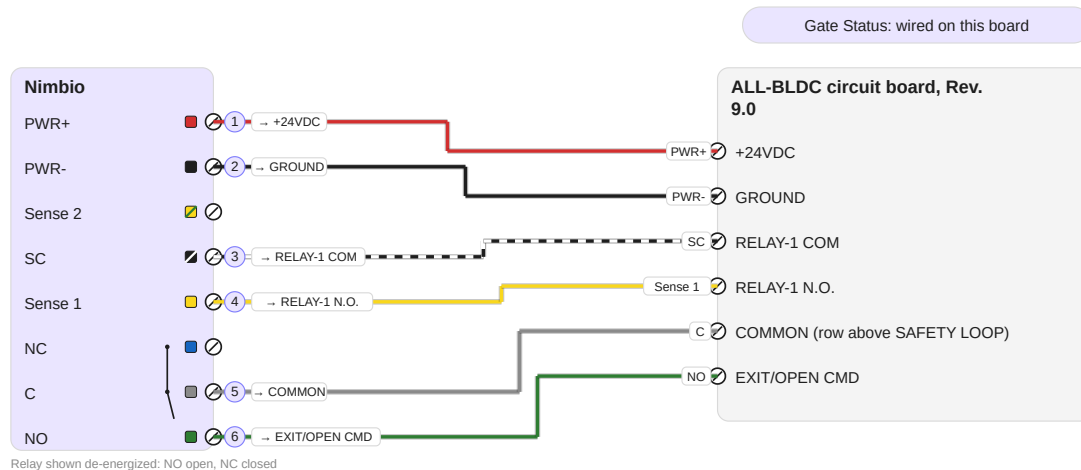


Wiring guide: All-O-Matic SL-90 DC

ALL-BLDC circuit board, Rev. 9.0 · Nimbio terminal strip: PWR+, PWR-, Sense 2, SC, Sense 1, NC, C, NO

Gate Status: wired on the main board.

No suitable output on your operator? A magnetic gate switch can report the gate's position instead: wire its two leads to Sense 1 and SC for fully closed, or to Sense 2 and SC for fully open. The switch must be a dry contact that puts out no power of its own; if yours puts out power, add a relay that turns it into a dry contact.



Legend

1. Nimbio PWR+ (red) → +24VDC on the ALL-BLDC circuit board, Rev. 9.0
2. Nimbio PWR- (black) → GROUND on the ALL-BLDC circuit board, Rev. 9.0
3. Nimbio SC (black/white stripe) → RELAY-1 COM on the ALL-BLDC circuit board, Rev. 9.0
4. Nimbio Sense 1 (yellow) → RELAY-1 N.O. on the ALL-BLDC circuit board, Rev. 9.0
5. Nimbio C (grey) → COMMON (row above SAFETY LOOP) on the ALL-BLDC circuit board, Rev. 9.0
6. Nimbio NO (green) → EXIT/OPEN CMD on the ALL-BLDC circuit board, Rev. 9.0

Setting: programmable relay (RELAY-1) = setting 4: ON when gate is not fully closed (gate position indicator) (DIP S1/S2 on the ALL-BLDC board)

NC: Not used

Sense 2: Not used

Cautions

RELAY-1 is on newer SL-90 boards only. Older boards have no RELAY-1 (the change appears to date from about 2019), so Gate Status cannot be wired from the operator board on them.

Sense-line polarity does not depend on the wiring. Nimbio maps each sense line's triggered and untriggered state to an Open or Closed label after installation. If Gate Status shows the opposite of the physical gate, contact Nimbio support to have the labels switched; no rewiring is needed.

Wire colors

PWR+ — red
PWR- — black
Sense 2 — yellow/green stripe
SC — black/white stripe
Sense 1 — yellow
NC — blue
C — grey
NO — green

Connections

Nimbio terminal	Operator terminal	Number	Board
PWR+	+24VDC	—	ALL-BLDC circuit board, Rev. 9.0
PWR-	GROUND	—	ALL-BLDC circuit board, Rev. 9.0
Sense 2	Not used	—	—
SC	RELAY-1 COM	—	ALL-BLDC circuit board, Rev. 9.0
Sense 1	RELAY-1 N.O.	—	ALL-BLDC circuit board, Rev. 9.0
NC	Not used	—	—
C	COMMON	row above SAFETY LOOP	ALL-BLDC circuit board, Rev. 9.0
NO	EXIT/OPEN CMD	—	ALL-BLDC circuit board, Rev. 9.0

Settings on the operator

programmable relay (RELAY-1): setting 4: ON when gate is not fully closed (gate position indicator) (DIP S1/S2 on the ALL-BLDC board)