

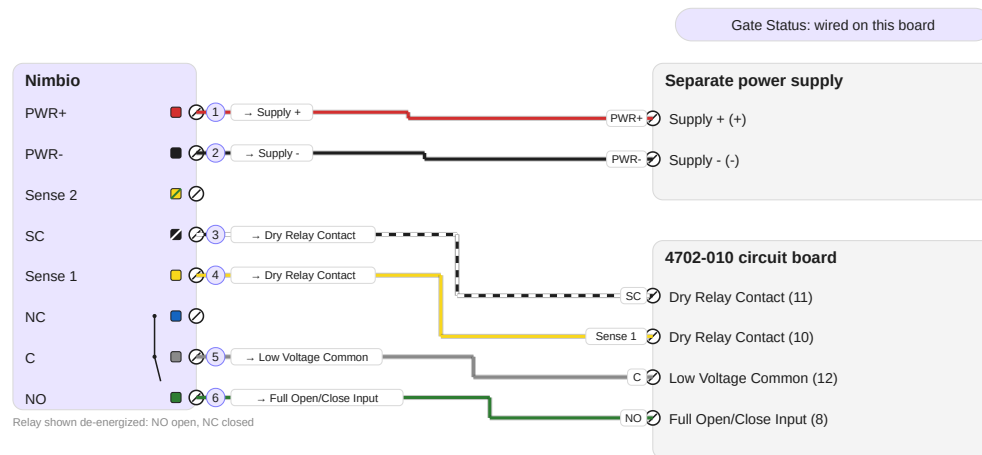
Wiring guide: DoorKing 9070

4702-010 circuit board (models 9050 and 9070) · Nimbio terminal strip: PWR+, PWR-, Sense 2, SC, Sense 1, NC, C, NO

Note: This operator cannot supply enough continuous power for Nimbio. Use a separate 12–24V AC or DC power supply.

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) → Supply + (+) on the Separate power supply
 2. Nimbio PWR- (black) → Supply - (-) on the Separate power supply
 3. Nimbio SC (black/white stripe) → Dry Relay Contact (11) on the 4702-010 circuit board
 4. Nimbio Sense 1 (yellow) → Dry Relay Contact (10) on the 4702-010 circuit board
 5. Nimbio C (grey) → Low Voltage Common (12) on the 4702-010 circuit board
 6. Nimbio NO (green) → Full Open/Close Input (8) on the 4702-010 circuit board
- Setting: switch 3 (relay activation) = the position confirmed for your site; the manual offers ON (full open) or OFF (not closed) (switch 3 on the 4702-010 circuit board)

NC: Not used

Sense 2: Not used

Cautions

Do not power the Nimbio from the operator board. Terminal 7 (24 VAC, radio receiver power) is limited to 250 mA for everything connected to it; give the Nimbio its own power supply. The Nimbio accepts 6.5 to 24 V AC or DC, and either supply lead can go to either PWR terminal.

DoorKing revised this control board after 2016 for updated safety standards. The terminal numbers on this page follow the 2009-revision 9050/9070 manual; on a newer board, the labels printed beside the terminals take precedence over the numbers here.

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+	Supply +	+	Separate power supply
PWR-	Supply -	-	Separate power supply
Sense 2	Not used	—	—
SC	Dry Relay Contact	11	4702-010 circuit board
Sense 1	Dry Relay Contact	10	4702-010 circuit board
NC	Not used	—	—
C	Low Voltage Common	12	4702-010 circuit board
NO	Full Open/Close Input	8	4702-010 circuit board

Settings on the operator

switch 3 (relay activation): the position confirmed for your site; the manual offers ON (full open) or OFF (not closed) (switch 3 on the 4702-010 circuit board)