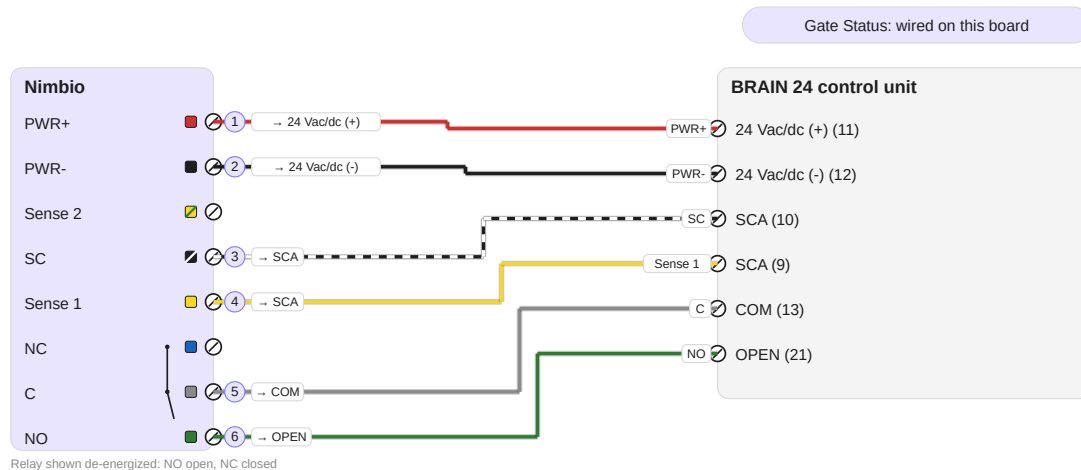


Wiring guide: Beninca BRAIN 24

BRAIN 24 control unit · 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) → 24 Vac/dc (+) (11) on the BRAIN 24 control unit
2. Nimbio PWR- (black) → 24 Vac/dc (-) (12) on the BRAIN 24 control unit
3. Nimbio SC (black/white stripe) → SCA (10) on the BRAIN 24 control unit
4. Nimbio Sense 1 (yellow) → SCA (9) on the BRAIN 24 control unit
5. Nimbio C (grey) → COM (13) on the BRAIN 24 control unit
6. Nimbio NO (green) → OPEN (21) on the BRAIN 24 control unit

Setting: 2Ch logic = OFF (SCA = open-gate indicator) (control-unit menu)

NC: Not used

Sense 2: Not used

Cautions

If the battery charger board CB.24V is installed, the 24 Vac/dc accessory output (terminals 11-12) carries a polarised 24 Vdc voltage when mains power is disconnected. The Nimbio accepts AC or DC, so either supply lead can go to either PWR terminal.

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+	24 Vac/dc (+)	11	BRAIN 24 control unit
PWR-	24 Vac/dc (-)	12	BRAIN 24 control unit
Sense 2	Not used	—	—
SC	SCA	10	BRAIN 24 control unit
Sense 1	SCA	9	BRAIN 24 control unit
NC	Not used	—	—
C	COM	13	BRAIN 24 control unit
NO	OPEN	21	BRAIN 24 control unit

Settings on the operator

2Ch logic: OFF (SCA = open-gate indicator) (control-unit menu)