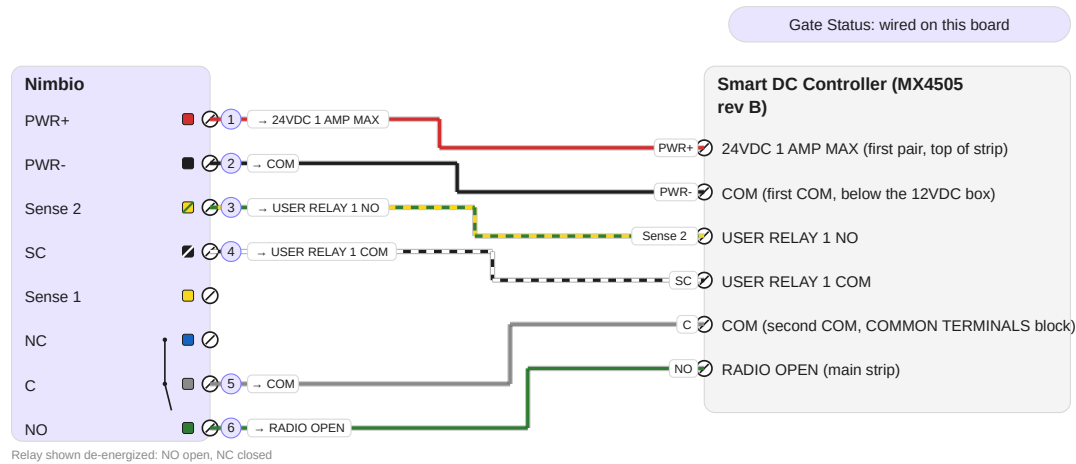


Wiring guide: HySecurity SlideSmart DC

Smart DC Controller (MX4505 rev B) · 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 1 AMP MAX (first pair, top of strip) on the Smart DC Controller (MX4505 rev B)
 2. Nimbio PWR- (black) → COM (first COM, below the 12VDC box) on the Smart DC Controller (MX4505 rev B)
 3. Nimbio Sense 2 (yellow/green stripe) → USER RELAY 1 NO on the Smart DC Controller (MX4505 rev B)
 4. Nimbio SC (black/white stripe) → USER RELAY 1 COM on the Smart DC Controller (MX4505 rev B)
 5. Nimbio C (grey) → COM (second COM, COMMON TERMINALS block) on the Smart DC Controller (MX4505 rev B)
 6. Nimbio NO (green) → RADIO OPEN (main strip) on the Smart DC Controller (MX4505 rev B)
- Setting: function number = 3 (Open limit output) (Installer Menu, RL 1 (User Relay 1))

NC: Not used

Sense 1: Not used

Cautions

Use the first (uncrossed) 24VDC pair only. The drawing shows a second 24VDC pair directly below it crossed out with a red X.

USER RELAY 1 is rated 1 amp at 12VDC, 24VDC, or 24VAC and 'operate[s] normally to less than 18VDC' (manual). It is a separate physical relay from the RADIO OPEN input and from the power terminals.

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 1 AMP MAX	first pair, top of strip	Smart DC Controller (MX4505 rev B)
PWR-	COM	first COM, below the 12VDC box	Smart DC Controller (MX4505 rev B)
Sense 2	USER RELAY 1 NO	—	Smart DC Controller (MX4505 rev B)
SC	USER RELAY 1 COM	—	Smart DC Controller (MX4505 rev B)
Sense 1	Not used	—	—
NC	Not used	—	—
C	COM	second COM, COMMON TERMINALS block	Smart DC Controller (MX4505 rev B)
NO	RADIO OPEN	main strip	Smart DC Controller (MX4505 rev B)

Settings on the operator

function number: 3 (Open limit output) (Installer Menu, RL 1 (User Relay 1))