



SIMUDRIVE CONTROL BOARD

SD100Hz




SIMU-Hz[®]
technology

RADIO CONTROL BOARD FOR ROLLING GARAGE DOORS

- **Compatible with single-phase motors:** SD100Hz controls rolling garage doors. It can be associated with SIMU single-phase motors < 1100W : T5, DMI5, T6, DMI6, T8, T8M, T8S, T8SDMI and CENTRIS.
- **For safe installations:** SD100Hz allows to connect a safety brake, a safety edge (optical or resistive), 2 sets of photocells in the bottom position, an orange flash light and/or a area lighting.
- **A safe wiring:** 230V area clearly separated from 24V, disconnectable terminals, and each input is clearly identified.
- **Less than 2 minutes to set:** 4 pre-set parameters (working mode, auxiliary output, safety edge and photocells).
- **Compatible with Hz control points:** SD100Hz can be controlled from TSA Hz or from SA Hz radio keypad.

TECHNICAL CHARACTERISTICS

GENERAL CHARACTERISTICS

POWER SUPPLY	220-230 Vac - 50/60 Hz
MAXIMUM MOTOR OUTPUT	1100 W - 230 Vac
MOTOR SAFETY FUSE	5 AT - 250 V
OPERATING CLIMATE CONDITIONS	- 20° C / + 60° C - IP 44
RADIO FREQUENCY	433.42 MHz, < 10 mW
NUMBER OF CHANNELS THAT CAN BE MEMORISED	40
ELECTRICAL INSULATION	Category 1
PROGRAMMING INTERFACE	4 buttons – 10 indicator lights

CONNECTIONS

PROGRAMMABLE SAFETY INPUTS	Dry contact: NC TX/RX photoelectric cells - Reflex cell
WIRED CONTROL INPUT	CDry contact: NO
AUXILIARY OUTPUT	Programmable orange light or remote lighting <u>Orange light</u> : 230 Vac auto-flashing <u>Offset lighting</u> : Dry contact // Max. 230 V – 500 W - either 5 fluocompact or LED lights - or 2 power supplies for low-voltage LEDs - or 1 halogen light, max. 500 W
ACCESSORIES POWER SUPPLY OUTPUT	24 Vdc - 200 mA
SAFETY EDGE OUTPUT	Optical wired or resistive wired 1.2 k / 8.2 k Ω

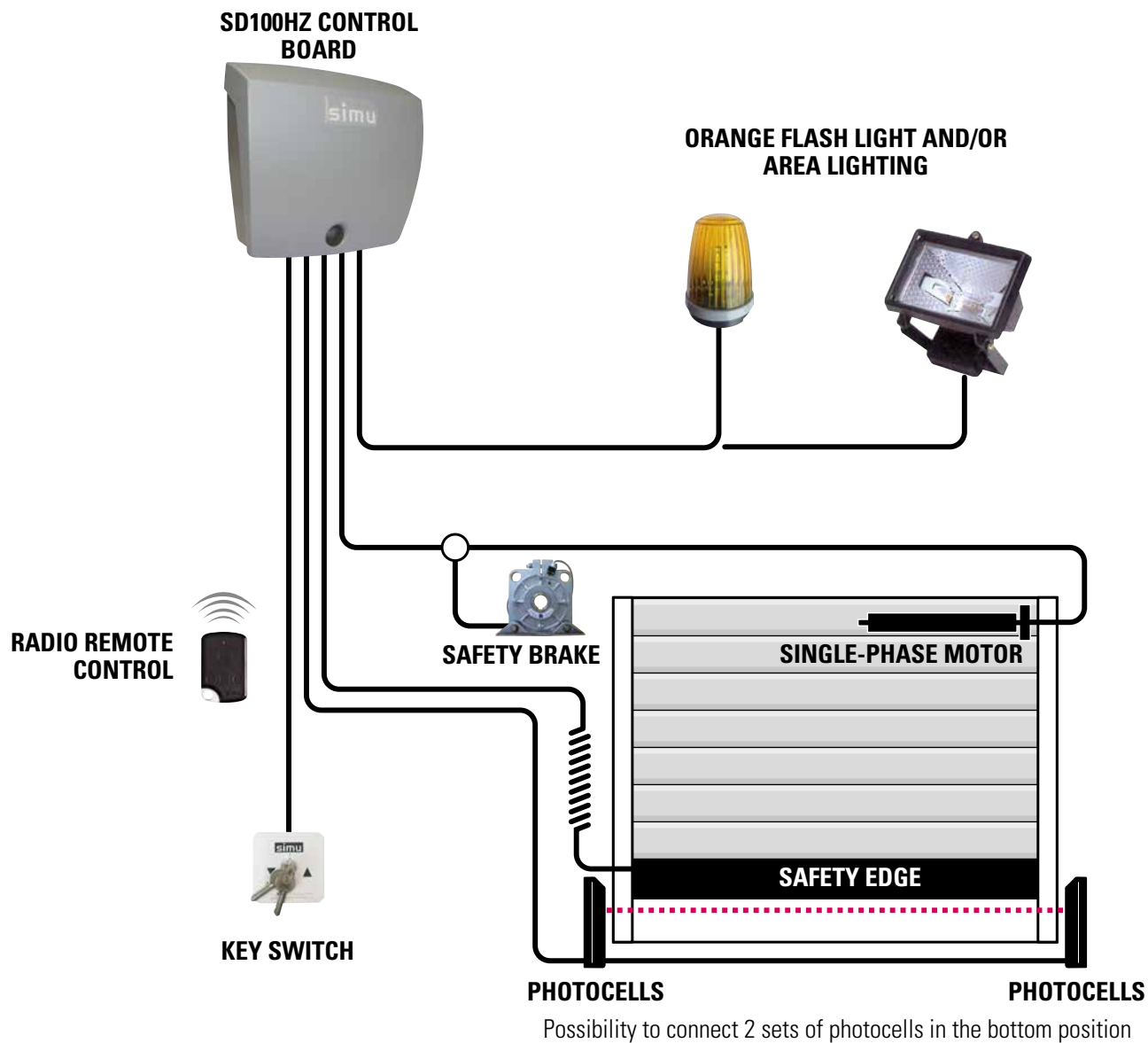
OPERATION

FORCED OPERATING MODE	By pressing the "+" and "-" buttons in motor setting mode
INDEPENDENT REMOTE LIGHTING CONTROL	Yes
LIGHTING TIME DELAY (AFTER MOVEMENT)	60 seconds
AUTOMATIC CLOSING MODE	yes
ORANGE LIGHT WARNING	2 seconds

REFERENCES

DESCRIPTION	REFERENCES
SIMUDRIVE SD100Hz	2009612

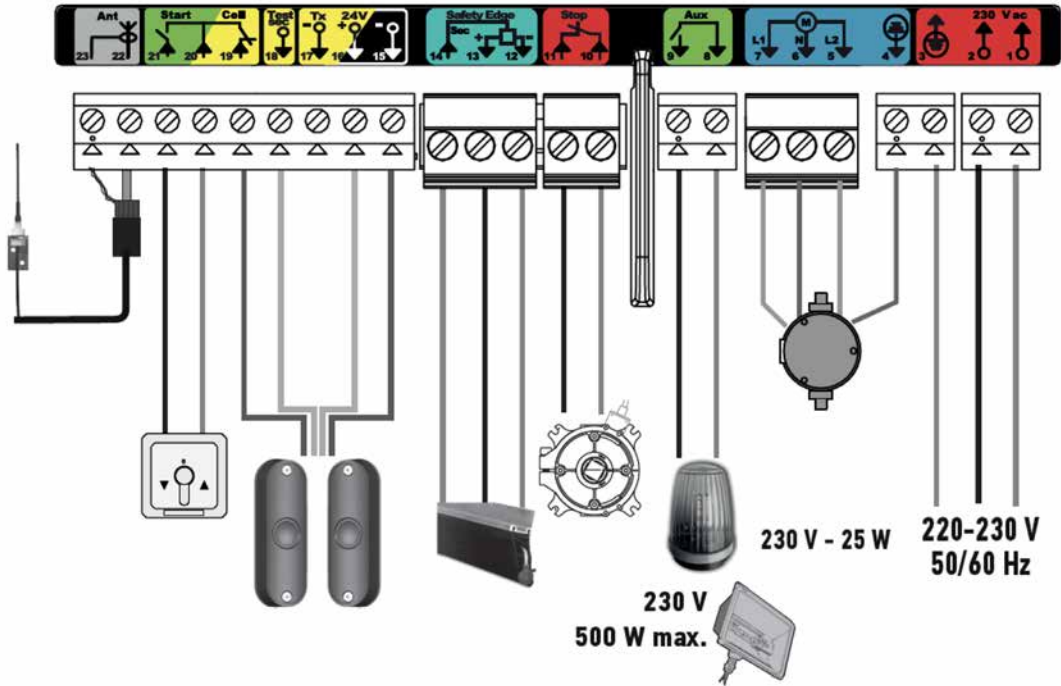
INSTALLATION



RECOMMENDED RADIO CONTROL POINTS



WIRING DIAGRAM



LED Diagnosis



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