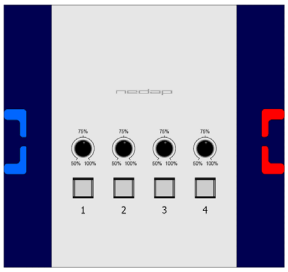
Installation Manual

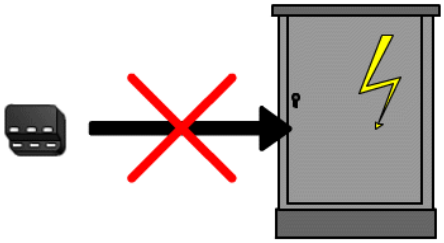
Senzafil Control Unit

1. Mounting Instructions

The control unit has a construction with the ability to mount on a DIN rail.

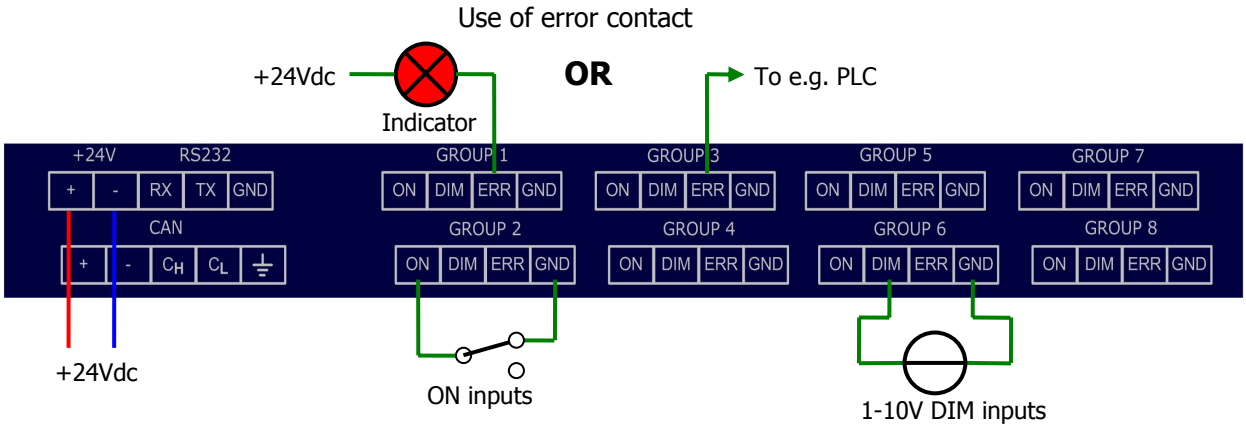


Nedap recommends to use the Nedap Light Controls Box to build-in the control unit.
(Nedap p/n .....)



Note: The control unit must never be installed in a metal power cabinet. This would impede wireless communication.

2. Connections



Details inputs and outputs

+24V*	+	+24Vdc / 2% power input Input current: 0.3Adc max
	-	gnd
RS232		Optional
CAN		Optional
Group 1..8	ON	ON/OFF Input Closed=ON Open=OFF Levels: <3.5Vdc OFF and >4.5Vdc ON
	DIM	DIM Input (Source current: 1mA (for light sensors)) Via switch: Closed=50% Open=100% Via 10kΩ potmeter: 0kΩ=50% 10kΩ=100% Via 1-10V Light Sensor: 1V=50% 10V=100% Via 1-10V PLC/BMS: 1V=50% 10V=100%
	ERR	Error Output Contact to gnd: 30V/2A max

* NOTE: Use isolated 24Vdc limited power supply with 2.5A max current. For US/Canada use a listed class 2 power supply. (e.g. MAIN WELL type GS15E-6P1J)

2. Led indications

POWER	●	On	Power on
	●	Off	Power off
CRTL	●	Fast blinking	Controlling lamps
	●	Regular blinking (1s)	EEPROM error (RF LED also blinking)
	●	Off	Control ready
RF	●	Irregular blinking	Receiving RF packets
	●	Regular blinking (1s)	EEPROM error (CTRL LED also blinking)
	●	Off	Receiving no RF packets
LAMP ERROR x	●	On	Lamp driver fault group x (>threshold)
	●	Blinking	Lamp fault group x
	●	Off	No errors group x

4. Specifications

Input Voltage	24Vdc ±2%
Operating temperature	0 – 60°C
Safety	EN60950 / Design to meet UL60950-1
EMC	EN301489-1 / FCC47 part 15 and 18
Dimensions (l x b x h)	145 x 120 x 65 mm

FCC Declarations

Compliance statement (part 15.19)

This device complies with part 15 of the FCC Rules and to RSS210 of Industry Canada.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Warning (part 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure (OET Bulletin 65)

To comply with FCC RF exposure requirements for mobile transmitting devices, this transmitter should only be used or installed at locations where there is at least 20cm separation distance between the antenna and all persons.

Version: **1.0**
Nedap P/N: **8015228**