

## 3633

*Control panel for sliding gate motor- single swing gate motor-barrier up to 1200watt*

Code	Frequency	Codification	Terminal Switches	Photocel ls	Ext. Button	Auto Close	Light 230V	Motor torque	Slow move	Pedestrian move	Memory
3433	433,92	ON ORDER	YES	YES	YES	YES	YES	YES	YES	YES	300

## Security Information

- Carefully read the instructions before beginning to install the product. To ensure the safety of people, it is important that the installer reads all the following installation instructions. Incorrect installation or incorrect use of the product could cause serious harm to people. Read and follow the instructions below:
- The product must be used and installed in accordance with its design
- Save these instructions for future use
- Before proceeding with any connection or programming, turn off the power supply
- It is necessary to use 6A/30mA differential leakage relay to power the equipment
- Do not change or modify the automation materials, without first contacting Profelmnet
- Do not allow children or pets to be near the gate when it is in operation
- Keep the remote controls out of the reach of children, to prevent inadvertent operation of the door
- The installation, maintenance or repair of the automation shall be carried out by qualified personnel
- The installation of photocells is essential for the safety of vehicles passing through
- It is necessary to install a safety edge contact for the safe passage of the pedestrians
- Profelmnet, as the manufacturer, reserves the right to make changes to the product without notice
- Anything not listed in these instructions is not appropriate

## CE compliance

is according to European Directives requirements of RADIO EQUIPMENT DIRECTIVE (RED) 2014/53/EU and ELECTROMAGNETIC COMPATIBILITY EMC 2004/108/EC and satisfies all the applicable standards to the product within these directives as follows:

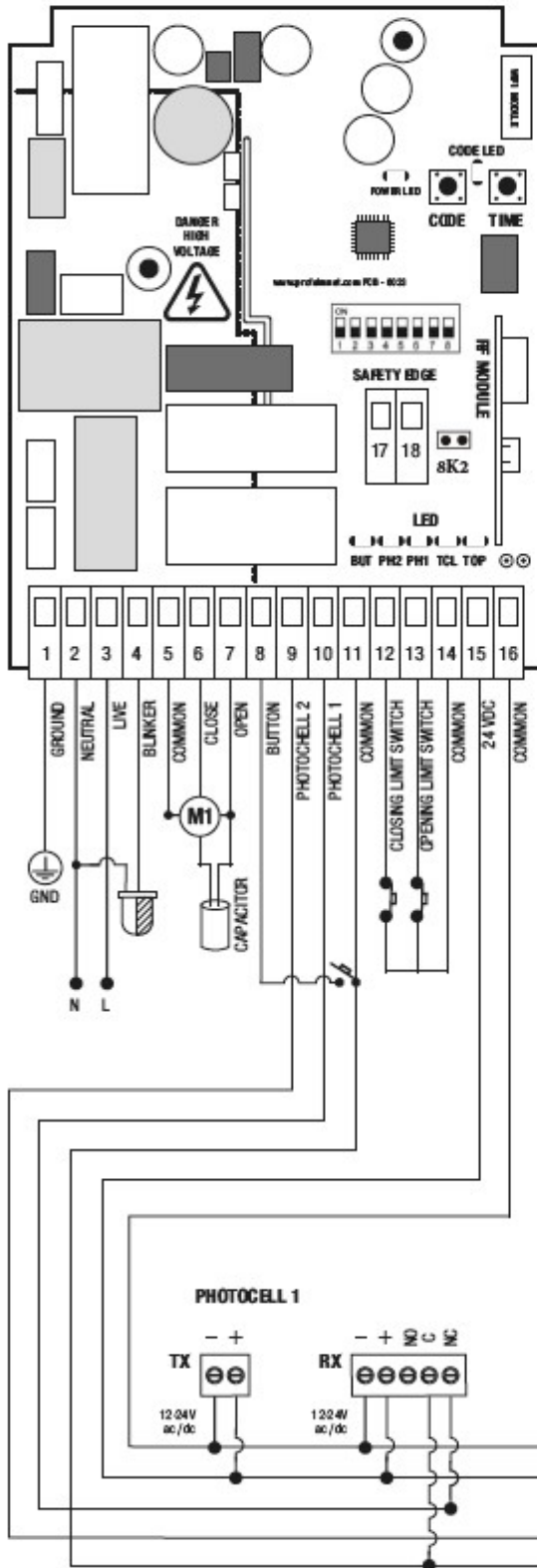
### 3633 control panel for sliding gate motor – swing gate motor – barrier

Applicable standards: EN 60335-1:2012/A13:2017 EN 60335-2-103:2015 EN ISO 12100:2010

EMC Directive 2014/30/EU Certificate No.: TMC170417101-E

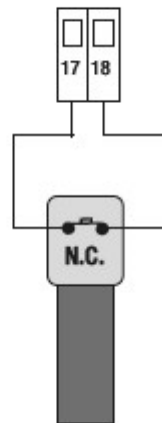
Applicable Standards: EN 55014-1:2017 EN 55014-2:2015 EN 61000-3-2:2014 EN 61000-3-3:2013

## Connections

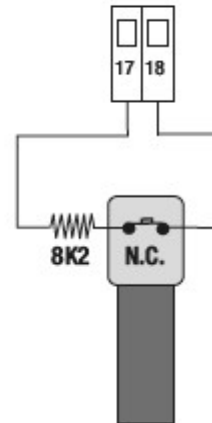


### SAFETY EDGE WIRING

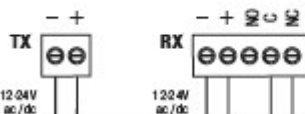
MECHANICAL SAFETY EDGE  
(NC CONTACT)



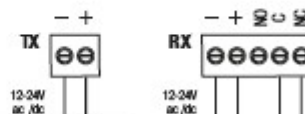
SAFETY EDGE TYPE 8K2



PHOTOCELL 1



PHOTOCELL 2



## Programs

<b>1 DECELERATION</b>	<b>OFF:</b> NO deceleration <b>ON:</b> With deceleration, that starts 1sec. before the end-route of the gate and continues for 40sec. or until the terminal switches are reached. If there are not terminal switches, the deceleration continues for 15 seconds.
<b>2 BRAKE</b>	<b>OFF:</b> No motor brake <b>ON:</b> Brake when the gate reaches the end of the route. This function should only work with the deceleration function.
<b>3 AUTO CLOSE FUNCTION</b>	<b>OFF:</b> No auto close <b>ON:</b> Embedded auto close function. Works with the photocell. When the gate opens and there is no access (no obstacle detection from the photocell), the A/C time is 120 seconds (the gate will close after 120 seconds). If there is access and obstacle detection from the photocell, then the A/C time is 10 seconds (the A/C timer counts 10 seconds after the photocell is free and then the gate will automatically close). The second time of A/C can be changed (follow the below instructions).
<b>4 TERMINAL SWITCHES</b>	<b>OFF:</b> NO terminal switches. In case of single swing gate or rolling shutter <b>ON:</b> Terminal switches. In case of sliding gate or barrier.
<b>5 PHOTOCELL</b>	<b>OFF:</b> NO photocells. <b>ON:</b> Photocells. The power supply of the photocell 24VAC in terminal 15&16 and COM & NC of the photocell in terminal 10 and 11
<b>6 ADJUSTABLE DECELERATION</b>	<b>OFF:</b> motors up to 800kg <b>ON:</b> motors above 800kg
<b>7 MOTOR POLARITY CHANGE</b>	<b>OFF/ON:</b> The first move of the motor after power reset needs to be <b>opening</b> , when auto close is disabled. If not, switch the dipswitch 7 to the opposite position.
<b>8 PHOTOCELL 2</b>	<b>OFF:</b> NO photocells. <b>ON:</b> Photocells. The power supply of the photocell 24VAC in terminal 15&16 and COM & NC of the photocell in terminal 09 and 11

## Configuration

### Power Supply 230 VAC

Supply the control panel with 230V. Check that the yellow indication light is ON. Press the button of the transmitter and check the red indication light is ON. The first gate move after power-up (230V) is the OPEN direction, otherwise place the dipswitch 7 in the opposite position.

### Clear transmitter memory

Press CODE button continuously. The red indicative LED turns ON. Keep pressing CODE button until the red indicative LED goes COMPLETELY OFF. Release CODE button. The memory is erased

### Adding new transmitter from control panel

Press the CODE button until the red indicative LED turns ON. Release immediately the CODE button and press the transmitter's button. The red indicative LED blinks once as an indication of successful save.

### Adding new pedestrian transmitter from control panel

Press the CODE button continuously until the red led starts blinking. Then release the code button and press immediately the transmitter button. The red indicative LED blinks once as an indication of successful saving of pedestrian transmitter

**Working time:** While the gate is fully closed, press and keep the TIME button of the control panel pressed until the gate goes to fully open position. Then leave it. The working time is saved.

**Working time pedestrian:** While the gate is fully closed press the TIME button until the red led is turned ON release the button and press it again steadily for as long as you want the pedestrian time

**Adjust motor force:** The motor power adjustment for the normal motor speed will ONLY be made while the user is programming the working time using the trimmer of the automation. The user will be able to adjust and control the force of normal motor speed while

programming working time. After the program of working time, the motor force will also be automatically saved. If the user wishes to change the motor's force, it must again program the working time.

**Adding a new transmitter remotely:** The motor is fully closed or open. Press a working transmitter button (already in memory) to start the motor working and hold it pressed until the motor stops. When it stops, leave it and press the new transmitter button immediately. The new transmitter is saved. Repeat steps to program more transmitters remotely. When the memory is full (300 transmitters) you cannot add more new transmitters.

### Photocell 1:

**Power Supply** => terminals 15-16

**Command photocell C.kal.NC** => terminals 10& 11

Photocell activation => set switch 5 to the ON position.

The contact of the photocell is shown on the green indicator PH1 (On green LED means there is no obstacle in front of the photocell. Off green LED means there is an obstacle in front of the photocell)

### Photocell 2:

**Power Supply** => terminals 15-16

**Command photocell C.kal.NC** => terminals 9 & 11

Photocell activation => set switch 5 to the ON position.

The contact of the photocell is shown on the green indicator PH1 (On green LED means there is no obstacle in front of the photocell. Off green LED means there is an obstacle in front of the photocell)

### Adjusting auto close time:

There is a double counter in the A/C function. The first one is 120 seconds and is applied when the door stops after an open function. During this counting time of 120 sec., if the photocell beam is disturbed, then after the beam is free, the A/C counting time becomes 10 sec. until the fully closed position. **In this control panel, the second counting time of 10 sec., can be regulated. Press the TIME button, keep it pressed and within 1 sec , press the CODE button.** The red indicating light starts flashing, indicating the seconds of the counter. The time of the counter is from 1-120 seconds. Keep it pressed for the time you wish to give in A/C and pedestrian function. The dipswitch 3 needs to be ON.

### Decelaration:

For motors up to 800kgs	<b>Program 6</b> of the control board=> <b>OFF</b> And we adjust the power of deceleration of the trimmer of the control board
For motors above 800kgs	<b>Program 6</b> of the control board=> <b>ON</b> And we adjust the power of deceleration of the trimmer of the control board

### Light Function:

Light can be connected on terminals 1+3 which has two functions

-**Flashlamp** (default function). The light is flashing for as long as the motor moves

-**Steady light (3 minutes)**. The light is turned on steadily for 3 minutes after the last command

To change between those two functions we should turn the power off , press CODE button and TIME button simultaneously and turn the power back ON. The red led stays ON and then we release the two buttons. Light function has been changed successfully

### Safety Edge:

Factory default, it is ALWAYS shorted. Terminals 17+18.

**8K2 connection:** We short-circuit the jumper located on the terminals of the safety contact, if we want the termination option with an 8K2 resistor

**NC Contact connection:** We short-circuit the jumper located on the terminals of the safety contact if we want a termination option with an NC contact.