RFID ACCESS CONTROLLER

Locky-CP-RS

Short description:

Locky-CP-RS is an electronic device designed to control the access to facilities, elevators, automobiles etc. The controller works with RFID tags in the form of cards, key fobs and stickers.

Locky-CP-RS is waterproof, utilizes industrial Ø 22mm plastic enclosure.
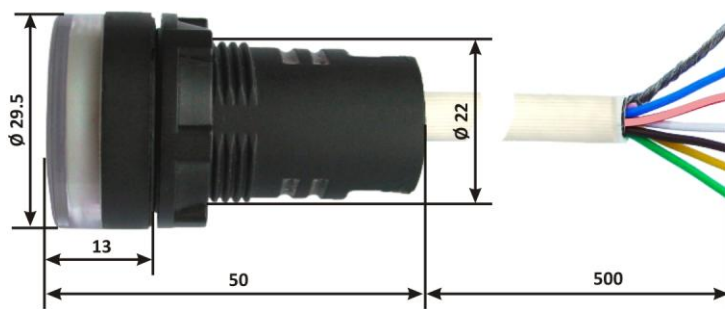
Options:

- Can be programmed by service tag - adding and group deleting identifiers;
- Credit mode – for each tag can set number of usage;
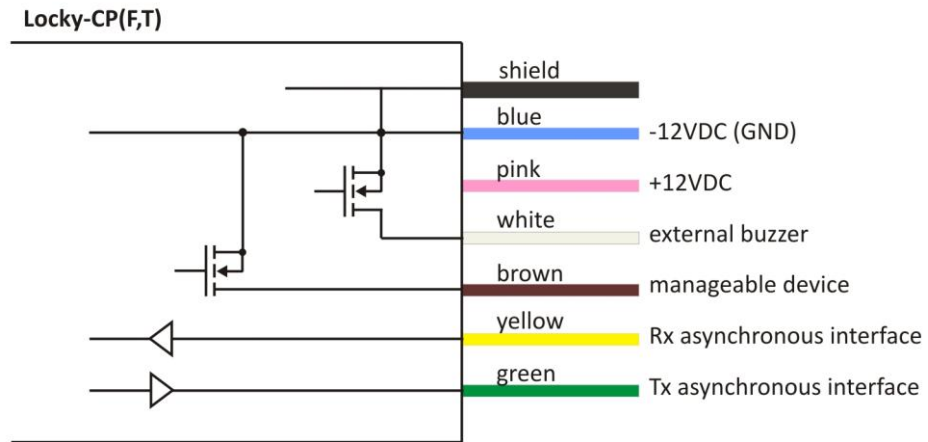- Statistic mode – every usage of tag is counted.

Specifications:

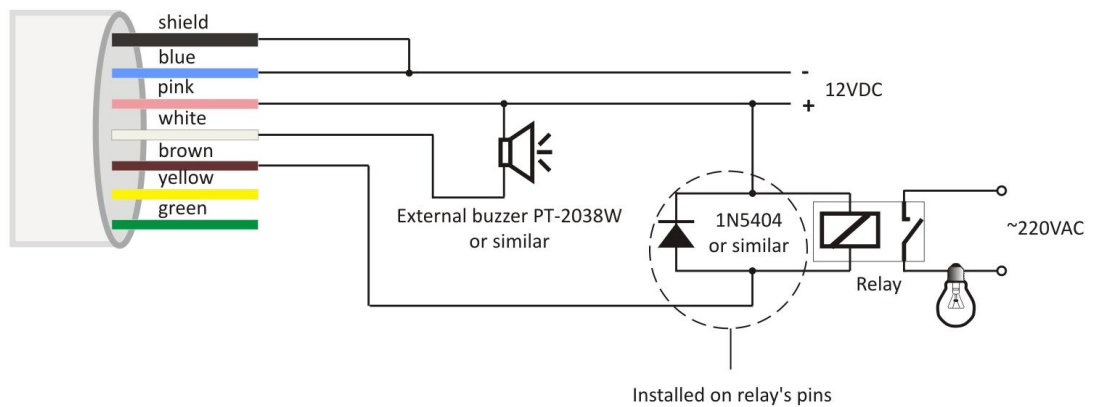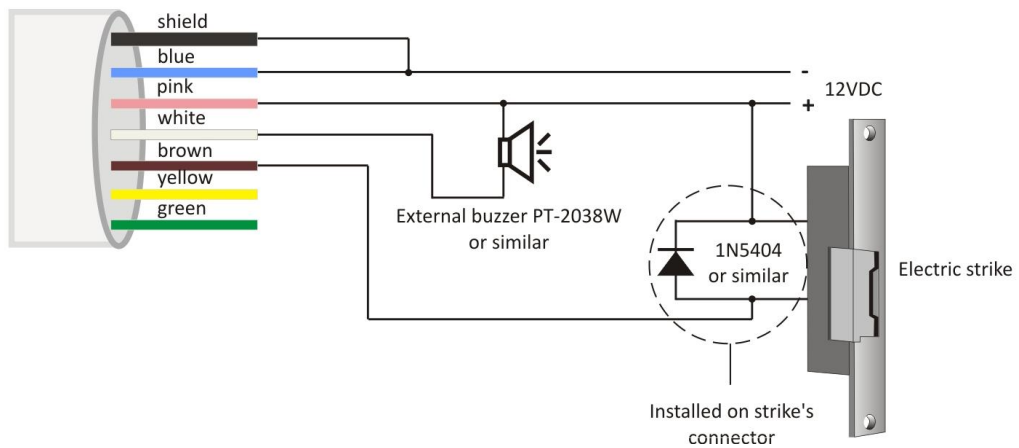|		
-	Power supply	8-15VDC;
-	Maximum consumption	50mA @ 12V;
-	Maximum switchable voltage/current for manageable device /Open Drain/:	15V / 1A;
-	Maximum switchable voltage/current for buzzer /Open Drain/:	15V / 0.1A;
-	Reading range	≤ 3cm;
-	Operating temperature range	-20 to +70°C;
-	Dimensions	Φ 28mm x 50mm;
-	Installation hole	Φ 22mm;
-	Asynchronous interface	19200bps, 8 bits, 1 stop bit, No parity
-	RFID tags	125kHz, EM4102 compatible;
-	Memory	non volatile for up to 500 tags.

Dimensions:

Pin outs:

Locky-CP(F,T)

shield	
blue	-12VDC (GND)
pink	+12VDC
white	external buzzer
brown	manageable device
yellow	Rx asynchronous interface
green	Tx asynchronous interface

Wiring diagrams:

shield
blue
pink
white
brown
yellow
green

External buzzer PT-2038W
or similar

1N5404
or similar

Electric strike

Installed on strike's connector

12VDC

shield
blue
pink
white
brown
yellow
green

External buzzer PT-2038W
or similar

1N5404
or similar

Relay

~220VAC

Installed on relay's pins

12VDC

Modes:

The controller Locky-CP-RS might be in one of the following modes:
- Operating mode;
- Adding new tags, by the service tag;
- Deleting all tags, by the service tag;
- Programming by *LockyMonitor2* software;

Operating mode

In this mode, the indicator flashes red.

If a valid tag is put in the range of antenna, the controller issues a long beep /external buzzer/, accompanied by activation of the relay. The LED flashes once in green. The duration of activation is from 1 to 240 seconds / programmed by *LockyMonitor2* software /.

If an invalid tag is put in the range of antenna, the controller issues six long beeps /external buzzer/.

If the service tag is put in the range of antenna, Locky-CP-RS enters in adding or deleting modes.

Adding new tags

The controller enters in this mode when the service tag is put in the range of antenna for short time. The indicator lights up in yellow, and the controller issues a single beep /external buzzer/.

When a new tag is put in the range of antenna the controller issues two beeps /external buzzer/ and LED flashes once. If the tag has been previously stored, Locky-CP-RS issues one short and three long beeps /external buzzer/ to avoid new record.

Going back to operating mode can be done either by put the service tag in the range of antenna

/ controller issues four beeps / or automatically, 30 seconds after the last tag was stored.

Deleting all tags

The controller enters in this mode when the service tag is put and hold longer than 8 seconds in the range of antenna. The indicator goes off.

After 8 seconds memory erasure begins, the process is indicated by sequentially flashing and issuing a series of short beeps /external buzzer/. The end of the process is indicated by two long beeps, flashing simultaneously and return the device in operating mode. In this mode service tag is not deleted!

Programming by *LockyMonitor2* software

Allows to add new and change the status of already stored tag.

The controller should be connected with cable converter to PC.

Software can be downloaded from www.teracom.cc.