

# CT518

## Hands free vehicular access with USB TAGs

**CT518** is an hands-free door opener suitable for on-car use: thanks to the receiving and transmitting 2.4 GHz technology, the TAG, powered via USB car interface, can be detected in max 10 m range either approaching and moving away from the gate - so that the two relays OPEN and CLOSE can be respectively activated. **CT518** is suitable for access to private houses, car parks with restricted access to a specific group of user, etc.



### □ Technical Data / Features

<b>Power supply</b>	Controller: stand-by 12 ~ 30 Vac/dc, 33 mA , max 72 mA. USB Tag: 5V @ 13 mA (USB-A)
<b>Technology</b>	Algorithm to manage the distance between emitted signal and received signal and then driving direction detection - approaching to the gate or moving away from the gate. Frequency: 2,4 GHz
<b>Pairing</b>	Thanks to the buttons of the controller and TAG, the TAG ID is stored in CT518 memory
<b>Range adjustment</b>	Thanks the TAG button and according to the Led indications (fixed / flashing & color): the range can be adjusted on 1, 2, 3, 5, 8 or 10 m values.
<b>Screw terminals</b>	1-2: Power Supply, 3-4: Open relay NO & COM, 5-6: Close relay NO & COM, 7: input operating mode (GND: presence mode; floating: pulse mode), 8: GND, 9: external antenna
<b>Dimensions</b>	Controller: 52 (L) x 52 (H) x 22,5 (D) mm. TAG: 45 (L) x 23 (H) x 9,6 (D) mm. Indoor use: inside the automation control board and on-car. Working cond.: temp. -20 °C / +65 °C, 0 - 75% R.H.

#### TAG enrolling (pairing):

- Push once the controller button - blue LED is switched ON
- Power on the TAG and shortly push the TAG button - the blue LED of the controller flashes to indicate that TAG Id is stored in the controller memory
- The controller can store 20 different Tag IDs (as an option: 300 IDs)

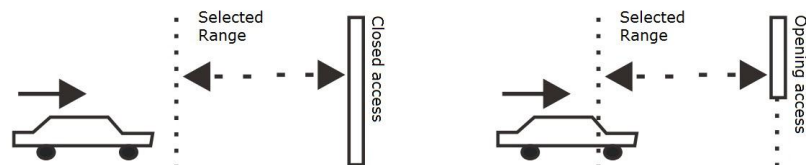
#### TAG memory erase:

- Push and keep pushed for at least 5 s the controller button: the blue LED flashes quickly to indicate the complete memory erase; the TAG IDs cannot be individually cancelled from the memory

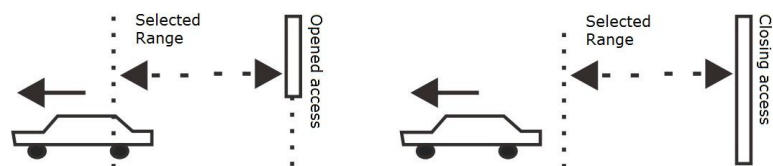
#### Range adjustment:

- Power on the TAG and push for at least 3 s the TAG button - the LED switches on
- Release the button and adjust the range according to the LED indications - shortly press the Tag button to switch from one value to the following:
  - RED fix color = 1 m range
  - GREEN fix color = 2 m range
  - BLUE fix color = 3 m range
  - RED flashing color = 5 m range
  - GREEN flashing color = 8 m range
  - BLUE flashing color = 10 m range
- Wait 5 s to automatically exit from the range adjusting mode

#### Output relays feature:



OPEN RELAY FEATURE



CLOSE RELAY FEATURE