

# Card Collector bollard User Manual

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Applicable Models: TSP-4 series

Version: 1.0    Date: September, 2021

## Chapter 1 Application

The TSP-4 card capture reader (hereinafter – the card capture reader) is designed to operate within ZKTeco's ZKBioSecurity 3.0 system as a device for reading, capturing and keeping proximity cards issued to visitors and meant for return at exit (hereinafter – guest cards). It allows you to withdraw cards.

The card capture reader should work in conjunction with card reader, ACCESS-controller and blocking device (OD: turnstile, swing gate, door lock, etc.). The card reader is installed inside of the card reader; selection, purchase and installation of the reader is performed directly by the customer (installer).

When used in ZKTeco's access control systems, the data is transferred via Wiegand interface from built-in reader of the card capture reader to the ZKTeco's ACCESS-controller. The ability to operate the card reader is supported by the C3-200 and InBi0-260 controllers.

Also the card capture reader can work with third-party controllers. In this case, transmission of data from the reader of the card capture reader to the controller is done via Wiegand interface (interface type depends on equipment that is used in ACS).

To ensure quick and easy passage of people it is recommended to install one card capture reader together with an OD for every 500 people.

## Chapter 2 Operation Conditions

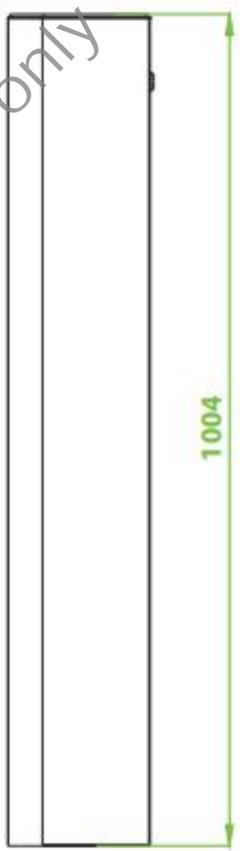
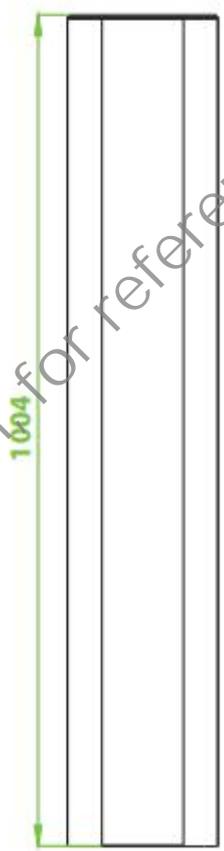
The card capture reader with regard to resistance to environmental exposure. Operation of the card capture reader is allowed at an ambient air temperature from  $-28^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  and relative air humidity up to 85% at  $27^{\circ}\text{C}$ .

## Chapter 3 Technical Specifications

<b>Model</b>	card collecting machine
<b>Input voltage</b>	DC 24V
<b>Working temperature (°C)</b>	-28~60
<b>Working humidity</b>	5% ~ 85%
<b>Working environment</b>	indoor and outdoor(shelter)
<b>Mean lifetime</b>	3 years
<b>Dimensions(mm)</b>	88.39×125.50×58.40
<b>Card container capacity</b>	500 cards
<b>Weight(Net)</b>	Max. 15 kg

### **Attention!**

This model of the card capture reader is not equipped with a built-in card reader. Selection of the reader and installation into the card capture reader is performed by the customer (installer) in accordance with the project of the checkpoint and the characteristics of ACS and controller.



## Chapter 4 Delivery Set

### 4.1 Standard delivery set

Main equipment:

Card capture reader:-----1

Container lock key:-----2

Package:

Carton:-----1

### 4.2 Optional equipment supplied on request

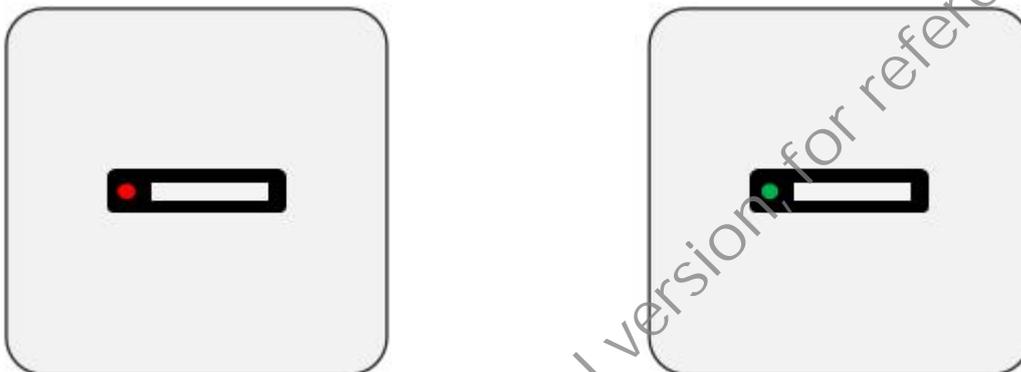
Fixing screw:-----4



### 5.1 Main features

- External elements of the card capture reader (panels) are made of polished stainless steel.
- Card reader (purchased separately) is mounted under the cover of the card capture reader on a special bracket. The identifier is read from the access card that is inserted in the slot of the card capture reader.
- On the cover there is an indication module with mnemonic indicators.
- The card capture reader features optical sensors allowing to correctly record the fact of capture of access cards, as well as the filling of the container of the card capture reader.

### 5.2 Design



Red indicator "Insert the card into the slot for cards capturing"

Green indicator "Permission of passage"

Control board view is shown on Figure 4. The board has terminal blocks:

J1 - connection for the power supply of the reader of the card capture reader (contacts +24V and GND).

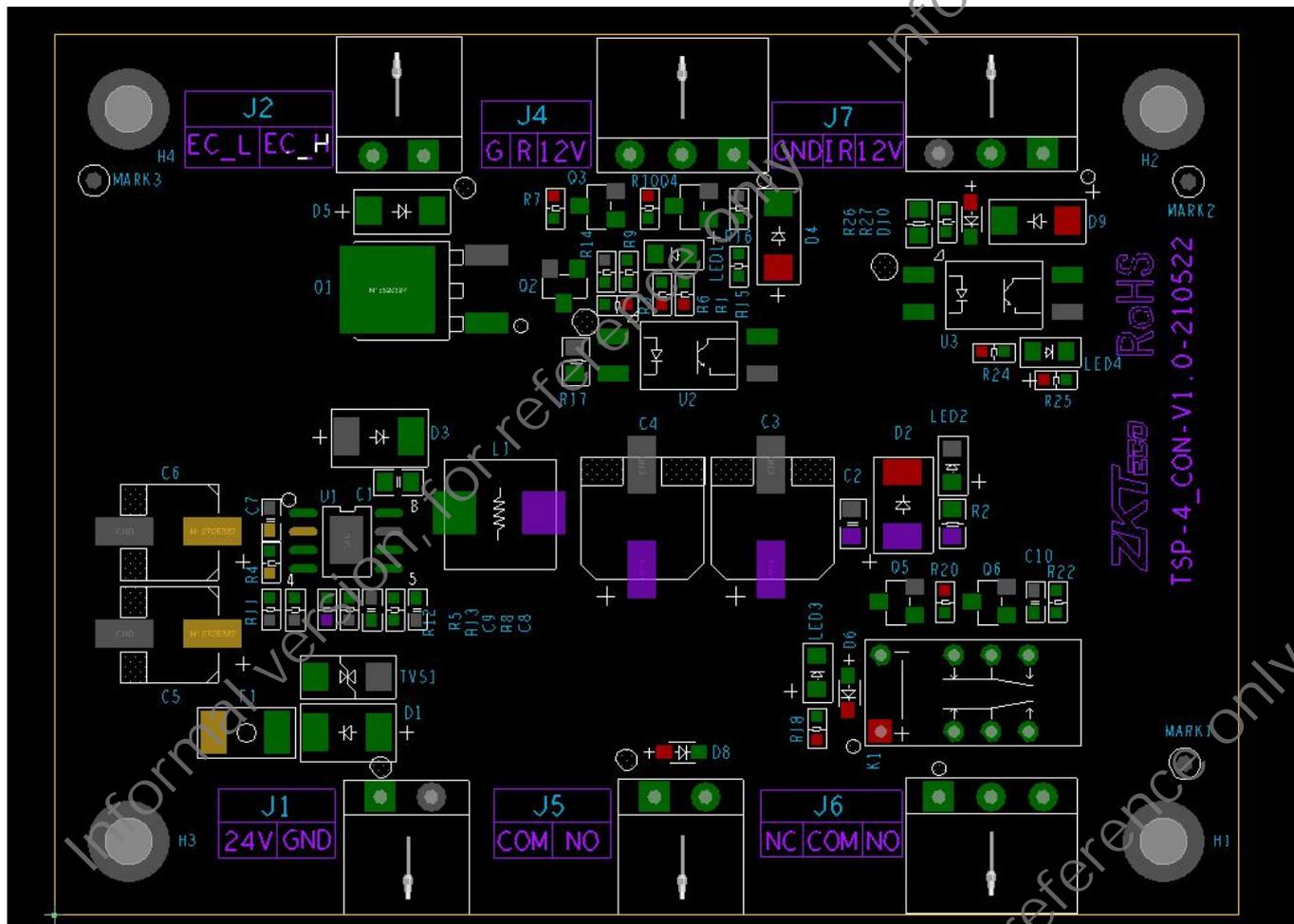
J2 - connection with electromagnet to control capture collector work.

J4 - indication control inputs that permit the passage of the card capture reader.

J5 - connector with NO-COM interface for wiring from the ACCESS-controller.

J6 - connector with turnstile NC-COM-NO, output open signal to turnstile

J7- connect the card holder sensor to ensure that the card really enters the card box.



5.3 Connection layout

