



# Input-Output Device

## TYPE 7203M

### 5 input / 5 output

#### Instruction Manual 01-7203M-06-25



#### General Description

Input-Output device 7203M (fig.1) is designated to produce and send an electrical signal to various devices in case of occurred events and recording external impacts, typical for a fire condition events. Device is compatible with addressable fire control panels 7000M, supplementing the possibilities of the addressable system.

The device consists of a printed circuit board with elements, mounted on a plastic base and closed by a cover. The base has an implemented terminal bus (pos.6 and pos.5, fig.1) through which cables connect the addressable loop, the power supply and etc.

Communication between Control Panel 7000M and the input-output device is realized by means of the addressable loop through a specialized protocol for data exchanging UniTALK.

Two LED indicators are built-in on the device PCB, illuminated in yellow (pos.3 fig.1) and red light (pos.1 fig.1), providing device status information.

#### Technical Data

Addressable loop:

- supply voltage from addressable loop
- current consumption in duty mode
- current consumption in fire mode

Electrical Installation

Input:

- "Fault condition" - interruption
- "Fault condition" - short circuit
- "Duty mode" range
- "Activated input" range

Relay output:

- type
- electrical specifications

Operating temperature range

Relative humidity resistance (no condensation)

Dimensions

Weight

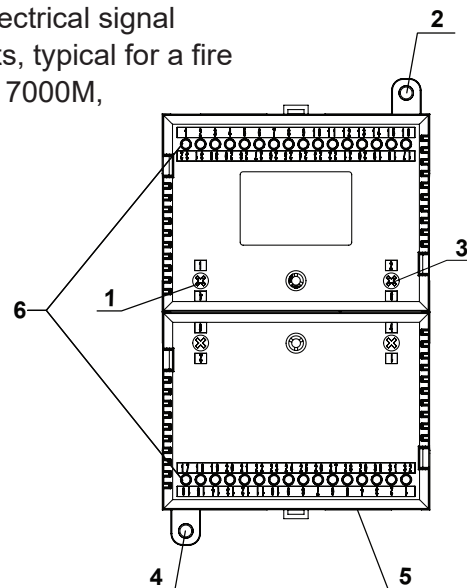


Fig.1 - Picture of input/output module

(18÷30)Vdc

420µA +/- 10%

(2±1)mA

Through terminal for connecting wires with cross-section (0,8-1,5) mm<sup>2</sup>

5 pc.

R<sub>line</sub> ≥ 15kΩ +/- 10%

R<sub>line</sub> ≤ 500Ω +/- 10%

5,9kΩ ≤ R<sub>line</sub> < 14kΩ +/- 10%

520Ω < R<sub>line</sub> < 5,9kΩ +/- 10%

5 pc.

potential free, switching functions

30V DC /1A, 125V AC/0,5A

from minus 5°C to 40°C

(95±3) % at 40°C

(91x159x33) mm

0.155 kg

## **Installation**

LED indication (pos.1 и 3, fig.1) is providing information for the device condition/status as follows:

- Duty Mode – flashes with discontinuous red light on every 12 seconds;
- Activated output – the red LED lights continuously;
- Activated input– the red LED lights continuously;
- Fault condition (short-circuit or interruption in an input ) the yellow LED lights continuously;
- Fault condition (activated isolator) - yellow LED flashing briefly in 0,5 second;

## **1. Mechanical installation**

1.1 Unpack the 7203M IO module /fig. 3, step 1/

1.2 Remove the decorative plastic cover in front of the necessary terminals /fig. 3, step 2/

1.3 7203M IO module need to be mounted on the wall using screw /fig. 3, step 3.1/ or a locking hinge DIN must be placed first and then the 7203M IO module can be mounted on a DIN rail with 35mm width /fig. 3, step 3.2/. The elastic element is part of the package bag.

1.4 The 7203M IO module need to be installed in accordance to one of the connection diagram described in point 3.2 .

## **2. Configuring of the module operation mode**

For appropriate configuration of device please follow 7000M instruction manual. Device automatically receives its configuration during its initialization by addressable fire alarm panel 7000M, (fig.3 step 4) configuration set up of 7000 panel is applicable only using software configuration tool for 7000M(fig.3 step. 5)

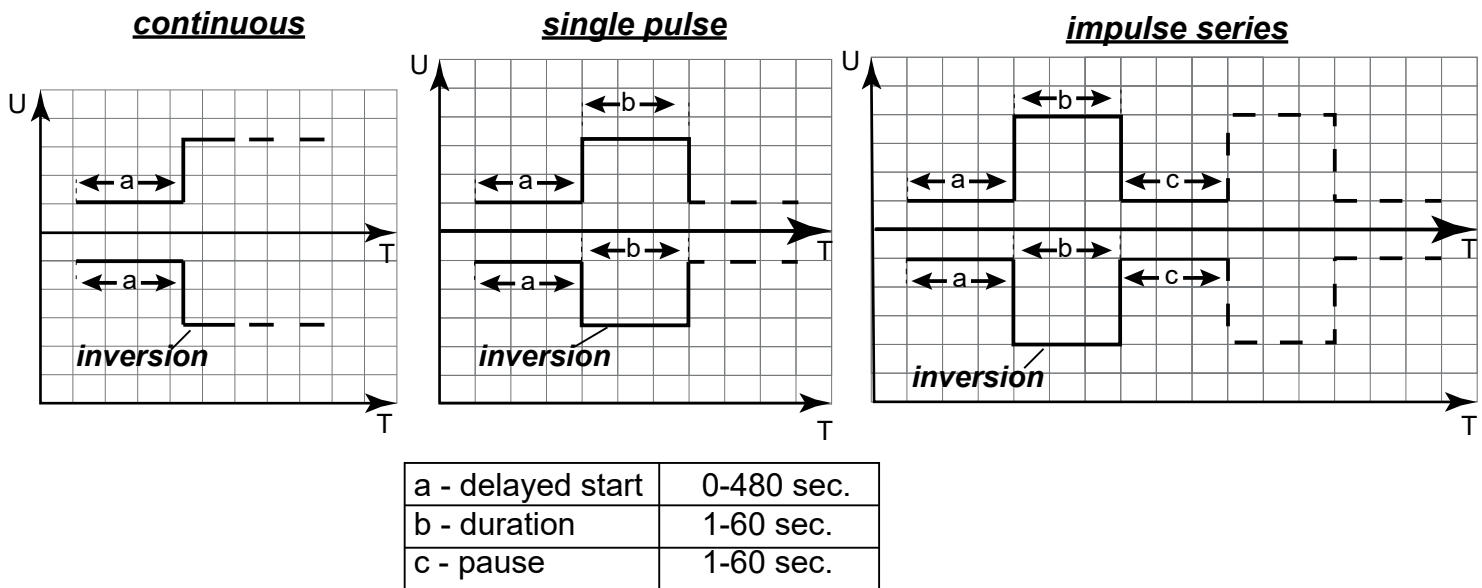
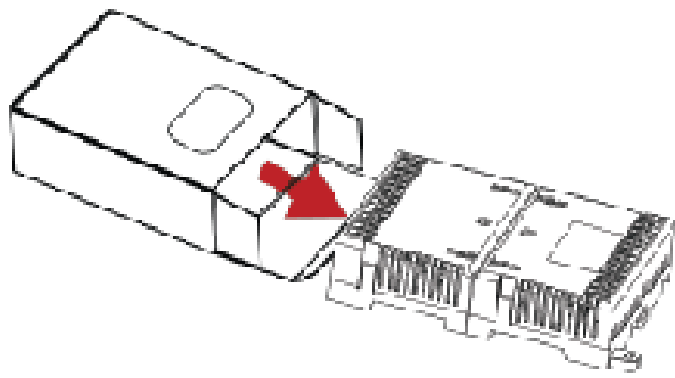
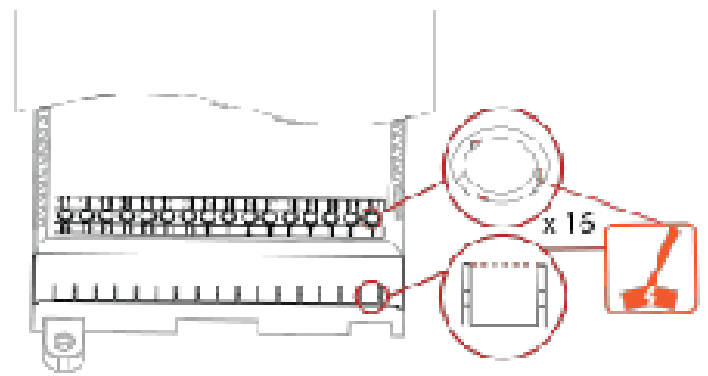


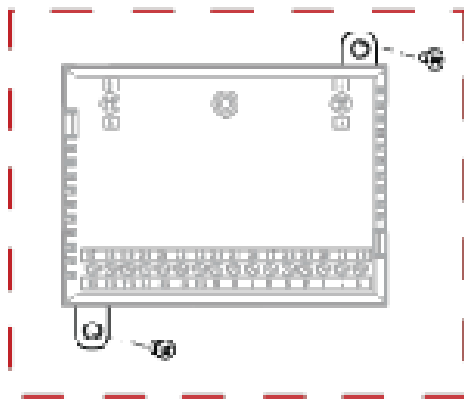
Fig. 2 - Output configuration modes



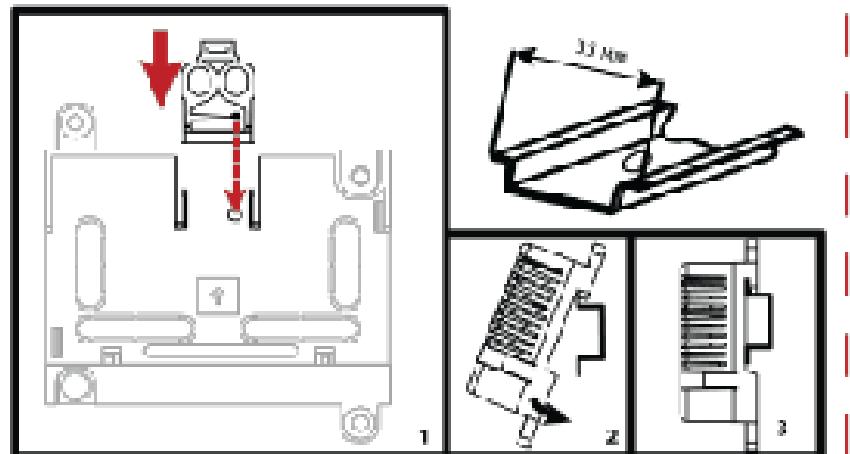
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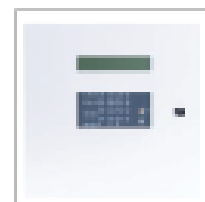
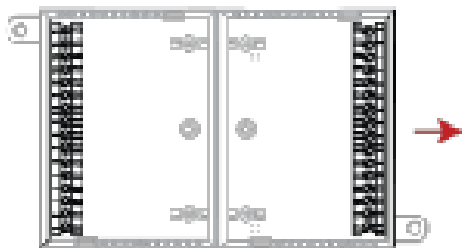
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3.1



3.2



5

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Fig. 3

### **3. Electrical installation**

The cables are assigned through terminal bus (pos.6 and 5, fig.1).

#### **3.1 Terminal bus**

##### **3.1.1 Addressable loop**

- Terminal 1 – shield of the addressable loop;
- Terminal 2 – “+” of the addressable loop;
- Terminal 3 – “-” of the addressable loop;
- Terminal 4 – “-” of the addressable loop;
- Terminal 5 – “+” of the addressable loop;
- Terminal 6 – shield of the addressable loop;

Note: It is not necessary to strictly follow the conditioned beginning and end of addressable loop. Polarity is mandatory when connecting the device.

##### **3.1.2 Input**

- Terminal 7 – input “+” IN 1;
- Terminal 8 – input “-” IN 1;
- Terminal 9 - input “+” IN 2;
- Terminal 10 - input “-” IN 2;
- Terminal 11 - input “+” IN 3;
- Terminal 12 - input “-” IN 3;
- Terminal 13 - input “+” IN 4;
- Terminal 14 - input “-” IN 4;
- Terminal 15 - input “+” IN 5;
- Terminal 16 - input “-” IN 5;

Note: The input line is balanced and checked for interruption.

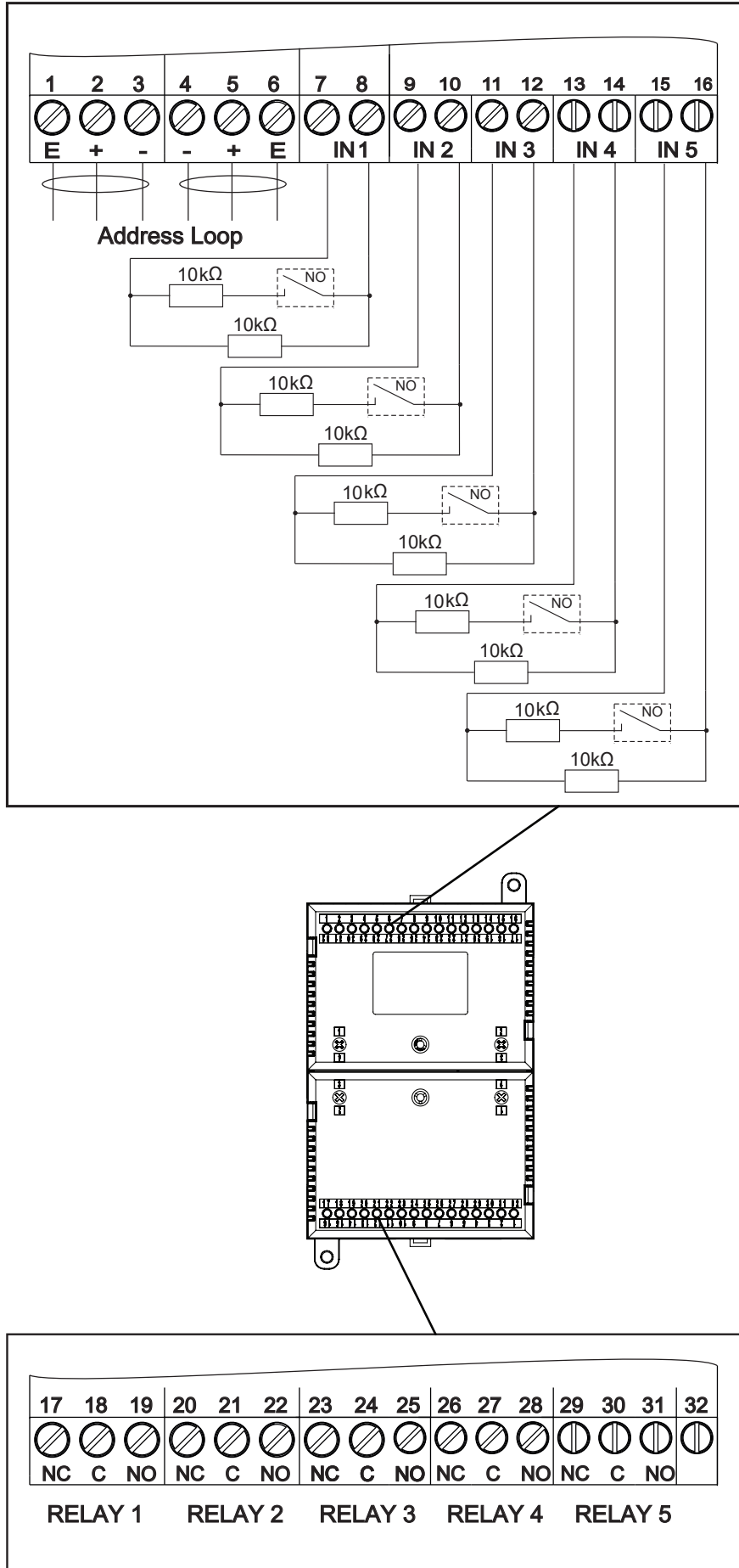
3.1.2.1 Input is configured to be activated with 10 kohms connected in parallel and wires are connected in according to fig.4.

##### **3.1.3 Relay Output**

- Terminal 17- “NC” - normally closed contact of the relay 1;
- Terminal 18- “C” - common contact of the relay 1;
- Terminal 19- “NO” - normally open contact of the relay 1;
- Terminal 20- “NC” - normally closed contact of the relay 2;
- Terminal 21- “C” - common contact of the relay 2;
- Terminal 22- “NO” - normally open contact of the relay 2;
- Terminal 23- “NC” - normally closed contact of the relay 3;
- Terminal 24- “C” - common contact of the relay 3;
- Terminal 25- “NO” - normally open contact of the relay 3;
- Terminal 26- “NC” - normally closed contact of the relay 4;
- Terminal 27- “C” - common contact of the relay 4;
- Terminal 28- “NO” - normally open contact of the relay 4;
- Terminal 29- “NC” - normally closed contact of the relay 5;
- Terminal 30- “C” - common contact of the relay 5;
- Terminal 31- “NO” - normally open contact of the relay 5;
- Terminal 32- do not use;

### 3.2. Wiring diagrams

#### 3.2.1. Usage monitored input - check for short circuit and relay (dry contact)



**NOTE: Use only UP terminals marking 1–16 and UP 17–32 as shown above.  
Do not use the upside-down marking enumeration!**

Fig.4

**Package includes:**

Input-Output device 7203M (5input/5output)	- 1 pc.
leaflet with the installation steps	- 1 pc.
Resistor 10 kΩ for input control	- 10 pc.
DIN locking hinge	- 1 pc.

**Warranty**

The warranty period is 36 months from the date of sale, providing that the installation requirements have been observed.

The manufacturer does not bear warranty liabilities for damages caused through accidental mechanical damage, misuse, adaptation or modification after production.



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7203M  
Fire detection and fire alarm systems  
installed in buildings.  
Input/output devices

*UniPOS wishes you a successful work !*