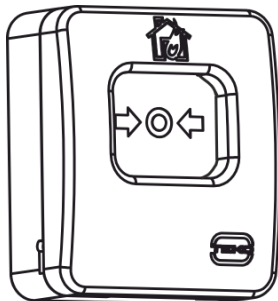




## Astra-45A Addressable hardwired fire manual call point



### User guide

Manufacturer:  
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Made in Russia

Rev. 45A-v2\_0\_instr\_en

### 1 FUNCTION

The addressable hardwired fire manual call point (further "Call Point" or "Astra-45A", "device") is designed to manually trigger a fire alarm by pressing the drive element (button), to generate a "Fire" notification and to transmit the "Fire" notification via Signaling Line Circuit (SLC) through Astra-A RPA to Control Panels: Astra – 812 Pro or Astra – 8945 Pro (version 5\_5 or version higher).

Astra-45A provides isolation of the SLC section in which a short circuit has occurred (Control Panel version 5\_5 and version higher).

Astra – 45A is powered by Astra-A RPA.

### 2 SPECIFICATION

Power supply voltage, V..... 7,5 - 27,6

Dimensions, mm..... 110×94×48

#### Operating Conditions

Temperature range, °C ..... from - 30 to + 55

Relative air humidity, %..... up to 93 at +40°C  
without moisture condensation

### 3 DELIVERY SET

Delivery set includes: unlock key (large) – 1 pc, push key (small) – 1 pc, labels – 2 pcs, fastening parts (dowels – 2 pcs, screws – 2 pcs), user guide – 1 pc.

### 4 INDICATION

Status	LED
Standby mode	x1 green flash with a period of 8-9 sec.
Fire alarm	x1 red flash with a period of 2 sec.
Fire test	x1 red flashes with a period of 2 sec. during 20 sec.

Power failure	x3 red flashes with a period of 25 sec. at a supply voltage below 8 V
Power failure SLC1 or SLC2	x1 yellow flashes with a period of 3 sec. at a short circuit or voltage below 8 V on the supply line L1 or L2
Data lines SLC1 or SLC2 failure	x2 yellow flashes with a period of 3 sec. at Data lines SLC1 or SLC2 short circuit
Circuit break	Any possible variant from the table
Command receiving from Laser pointer (LP)	x1 red switching on for 2-5 sec

### 5 ADDING TO THE SYSTEM

- 1) Connect the RPA to the Control Panel using RS-485 interface.
- 2) Add the Astra-RPA to the Control Panel according to the user guide of the Control Panel Astra-812 Pro or the PKM Astra Pro or Pconf-Pro PC built-in. Install the device at the selected location (see point 8, actions 1)-5)).

#### Note:

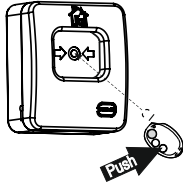
***It is recommended to install all Call Points before registration, because their registration is carried out using the Astra-942 (L P) and supplied separately.***

- 3) Run the Control Panel mode of Device Adding in the RPA through Astra Pro PKM or the Control Panel "Astra-812 Pro" menu in accordance with the Control Panel manual.

It takes 60 sec to register a device.

- 4) Run the registration Astra – 45A mode:

- press the lower button on the LP and hold it until the beam appears



- irradiate the Astra – 45A indicator at least 1 sec. (the indicator should turn on red for 2 sec.)

### **WARNING!**

**Running registration for several devices at one and the same time is forbidden.**

- 5) Registration running check:
  - In case of successful registration, you will see "Detector" or "Detector is added" on the screen.
  - In case of unsuccessful registration repeat actions from 4) to 6

### **6 REMOVING FROM THE SYSTEM**

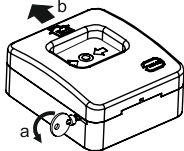
Removing any device from RPA's memory can be performed using installation program modules PKM Astra Pro or Astra – 812 Pro menu.

### **7 INSTALLATION PLACE**

It is recommended to install the device in an accessible place along escape routes, in corridors, on staircases, at exits.

### **8 INSTALLATION PROCEDURE**

- 1) Open the device with a key with a beard



- 2) Mount the base
- 3) Connect the SLC power cables (terminals "+")

and "-") and the SLC data cables (terminals "A" and "B") coming from the RPA through the holes for cable entering in the device base. Recommended cable type – FRLS 2×2×0.5

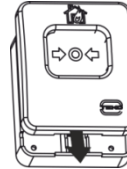


The group of terminal blocks L1 or L2 for connecting the incoming or outgoing ALS can be selected randomly.

### **ATTENTION!**

**Connect cables with de-energized lines only!**

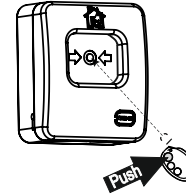
- 4) Assemble the device:
  - press the device cover against the base to align the grooves
  - slide the cover down until the latch locks



- 5) Register the device in the RPA (see section 5)
- 6) Perform the device testing (see section 9)

### **9 TEST**

- 1) Press the button. A white (or yellow) curtain will appear at the top of the cover, indicating that the device is in alarm. The red indicator of the device will blink with short flashes with a period of 2 sec.
- 2) Check the "Fire" notification on the screen or indicator of the Control Panel and/or in the PKM Astra Pro or in Pconf Pro program.
- 3) Return the device to Standby mode:
  - insert the push key into the hole on the lower end of the device until it stops (until the button is unlocked);
  - remove the key
  - disable fire alarm with a registered identifier
  - check the device and the Control Panel returning to Standby mode
- 4) Activate the "Test" mode:



- 5) press the red button on Laser Pointer
  - direct the laser beam at the indicator
  - irradiate the indicator for 1 sec. The device indicator should turn on red for 5 sec. Check the "Fire Test" notification in the device indicator. In the event log of PKM Astra Pro or Control Panel Astra-812 Pro, an entry "Fire Test" will be made, and the message "Fire Test" will be displayed in the Pconf-Pro.

### **10 WARRANTY**

The operation warranty period is 5 years from the date of operation start-up, but no longer than 5 years 6 months from the date of manufacturing, in condition of compliance with the requirements of the current technical manuals and user guide.