

FP-11 Q.1



Front panel with barcode scanner
for ST-11 Speed gate

1 APPLICATION

FP-11Q.1 front panel with barcode scanner is designed for **ST-11** speed gate installation. There is also an opportunity to install ACS controller plate inside. **MERTECH N160 P2D** is built into the panel as a barcode scanner.



Attention!

Product is supplied as a part of **ST-11** but to be ordered separately.

ACS controller is not included in a delivery set and have to be purchased separately by the customer.

Climatic operation conditions of the product are determined by the operating conditions of **ST-11** (category NF4 according to GOST15150-69 – operation in premises with climate control, at an ambient temperature of +1°C to +50°C and relative air humidity up to 80% at +25°C), as well as the operating conditions of the built-in ACS controller.

The storage is allowed indoors at ambient temperature from -40°C to +50°C and at relative air humidity up to 80% at +15°C. In the storage room should also be no acid fumes and gases, causing the corrosion.

Product in the original package should be transported in closed type cargo transport units (in railroad cars, containers, closed cars, under decks, by plane, etc.). During transportation and storage, crates can be stacked no more than 6 layers high.

Overall dimensions of the transportation crate 108×23×18 cm
Gross weight not more than 20 kg

2 DELIVERY SET

FP-11Q.1 front panel with barcode scanner	1
Self-adhesive PCB pillars for indication plate and ACS controller	4
Key to the lock of the front cover of the panel	1
Certificate and installation manual	1
USB cable to barcode scanner	1
Warranty card and quick guide for MERTECH N160 P2D scanner	1

Additionally, by separate order, the following is supplied:

Anchor M10 with DIN7984 bolt (hexagon socket) and washer, galvanized	2
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3 TECHNICAL SPECIFICATIONS

Overall dimensions of the panel (L×W ×H),..... 152×110×1002 mm
Net weight not more than 8 kg

MERTECH N160 P2D built-in scanner:

Scanning module type	2D-image
Supported barcode types:	
2D: PDF417; MicroPDF417; Data Matrix; Maxicode; QR Code; MicroQR; Aztec; Hanxin;	
1D: UPC; EAN; Code128; Code 39; Code 93; Code11; Matrix 2 of 5; Interleaved 2 of 5;	
Codabar; MSI Plessey; GS1 DataBar; China Postal; Korean Postal	
Barcode scanning speed	up to 100 scan/sec
Barcode scanning range	up to 100 mm
Scanner resolution	640×480 Px
Minimum contrast of a readable barcode	20%
Scan angle	72°×64°
Barcode sensitivity	± 65° Incline / 360° Turn / ± 60° Deviation
Backlight	LED 6500K (white)
Communication interface	USB

4 INSTALLATION ORDER



Attention!

ST-11 speed gate installation order – see in **ST-11 Assembly and operation manual**. It must be considered that overall length of a speed gate section with an installed **FP-11Q.1** panel increases for 110 mm (see Fig.1).

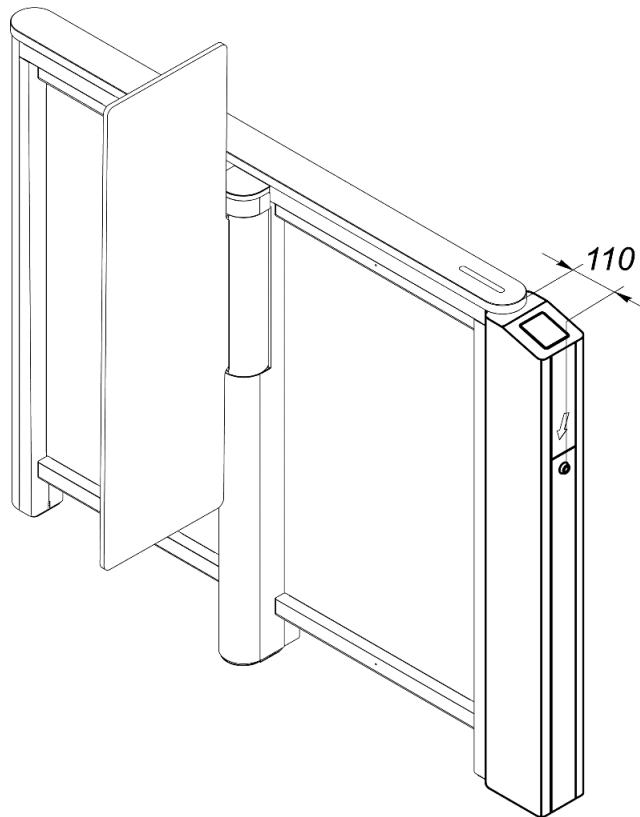


Figure 1. ST-11 section with installed FP-11Q.1 front panel

FP-11Q.1 front panel is to be installed on **ST-11** speed gate instead of a standard front panel of the section (see Fig. 1). Layout of **FP-11Q.1** front panel is shown on Fig. 2. Hereinafter item numbers are indicated according to Fig. 2.

1. Dismantle the top cover, stainless or made of artificial stone, from the **ST-11** section. To do this, use a SW4 hex wrench to unscrew four screws through the holes in the lower part of the top box of the section (see *ST-11 Operation Manual*, section 8.8.6). At the stone cover, disconnect the indicator cable from the indication plate.
2. Remove the front panel from the turnstile section (see *ST-11 Operation Manual*, section 8.8.2), to do this, press it down to the stop and pull the upper part towards you, removing the panel hooks from the grooves.
3. Remove the indication plate from the front panel by unscrewing 4 screws securing it to the bracket inside the front panel. Fix the indication plate inside the upper box under the **ST-11** section top cover on 4 self-adhesive PCB pillars from the **FP-11Q.1** panel delivery set. Connect the CAN connecting cable to the indication plate (see Fig. 2).
4. Unpack the **FP-11Q.1** panel. Open the lock (5) of the front cover of the panel (4) using the supplied key and remove it. If needed install an ACS controller.



Attention!

ACS controller is not included in a delivery set. Maximum dimensions of a built-in ACS controller should be not more than 250×125×70 mm (L×W ×H).

Controller should be installed on a bracket (6). To install a frameless controller delivery set includes self-adhesive PCB pillars. Removable bracket should be installed with two screws (7).

5. Install the **FP-11Q.1** panel into place in the **ST-11** speed gate. With a marker, through two holes at the bottom of the panel base, mark on the mounting surface the fixation points of the panel.

Remove the panel and drill holes in the mounting surface for anchors to secure the panel. Insert anchors into holes.

6. Connect scanner and ACS controller.
7. Using a cable (3), connect the front indication module (2) to the indication plate in the **ST-11** section. The procedure for connecting cables to the indication plate is shown in Fig. 2:
 - so that the white arrow on the front indication module lights up - the cable from the end block must be connected to the ARROW connector on the indication plate;
 - so that the red cross is lit on the front indication module – the cable from the end block must be connected to the CROSS connector on the indication plate.
8. Final install **FP-11Q.1** front panel back on **ST-11** speed gate and fix it with anchor bolts on the mounting surface. Close the front panel cover.
9. Reinstall the **ST-11** top cover, don't forget to connect the indicator cable of the artificial stone cover to the LIGHT connector of the indication plate (see Fig. 2).

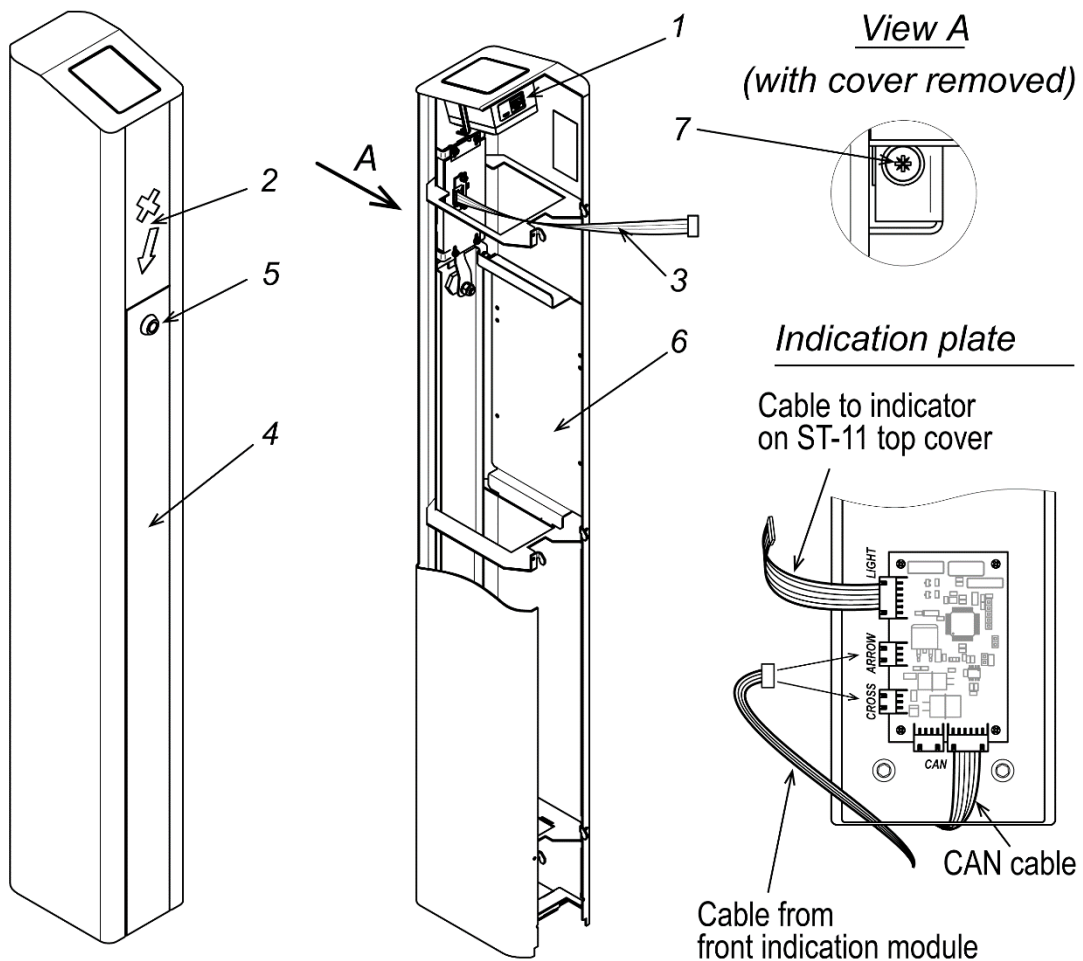


Figure 2. FP-11Q.1 front panel

- 1 – **MERTECH N160 P2D** barcode scanner; 2 – front indication module;
 3 – front indication module cable; 4 – front panel cover; 5 – front panel cover lock;
 6 – bracket to fix an ACS controller; 7 – screws to fix the bracket

5 PERCO WARRANTY

PERCo (the Manufacturer) warrants that the **FP-11Q.1 Front panel** (the Product) complies with applicable statutory safety requirements, electromagnetic compatibility provided that the instructions on storage, installation and operation, given in the Assembly & Operation Manual, are observed.

The warranty period is **5 (five) years** commencing from the date of sale.

Should there be no date of sale on the warranty card, the warranty period shall commence from the date of manufacture specified in the Certificate and on the Product label.

In the post-warranty period the replacement parts/components are warranted to be free from defects in material or workmanship for a period of 3 (three) months from the date of shipment of the repaired/replaced Product to the Customer.

All claims with regard to quantity, completeness and defects to appearance of the Product delivered are accepted by the Manufacturer in writing within no more than 5 (five) working days after the products are received by the Customer. In case of failure to meet the abovementioned deadline no claims are accepted.

The Warranty does not cover:

- products, parts and components with:
 - external mechanical damages resulting in the Product's fault;
 - defects resulting from Customer's improper testing, operation, installation, maintenance, modification, alteration, or adjustment;
 - damages due to force majeure circumstances (natural disasters, vandalism etc.) or defects as a result of external circumstances (power surges, electric discharge, etc);
- fuses, accumulators, galvanic elements and other components, replacement of which is performed by the Customer in accordance with the Product's in-line documentation.

To the maximum extent permitted by the acting law, the Manufacturer does not incur a liability for any direct or indirect losses of the Customer, including but not limited to loss of profit or data, losses caused by idle period, missed profit, and etc. related to use or impossibility to use products and software, including possible software errors and failures.

Within the warranty period the products are repaired free of charge at the Manufacturer's site. The Manufacturer reserves the right to repair failed product or replace it with an operational one. Time of repair is specified at the moment the Product is accepted for repair. Transportation cost to and back from the place of repair shall be borne by the Customer.

In order to shorten the repair time the Customer must inform the Manufacturer's Technical Support Department (the TSD) of the problem with the Product's operation and/or about the origin of the fault by submitting a filled-in Technical Support Form by e-mail, fax or via the Manufacturer's website or communicate directly a specialist of the TSD.

The Manufacturer reserves the right not to accept the Product for repair from the Customer who failed to submit the Technical Support Form.

The Manufacturer's warranty obligations don't cover attendance by the experts of a Customer and maintenance of any Product on site

If in the course of the examination taken by the Manufacturer of the Product or its parts/components believed to be faulty, no faults have been detected, the Customer is responsible for compensation of the Manufacturer's expenses related to the examination.

Apart from the warranties mentioned above the Manufacturer does not provide any other warranties with regard to compatibility of a Product purchased with software or products produced by other manufacturers as well as any warranties that this Product will fit for the purposes not stipulated in the Product's in-line documentation.

The warranty does not provide for any claims with regard to the technical specifications of the Product in case they are in compliance with those stated by the Manufacturer. The Manufacturer does not guarantee that the Product purchased will meet Customer's requirements and expectations.

PLEASE NOTE THAT PERCo PRODUCES TECHNICALLY SOPHISTICATED PRODUCTS THAT, IF NOT FAULTY, CANNOT BE RETURNED BACK IF BY SOME REASON THE CUSTOMER DEEMS THEM UNSATISFACTORY



The PERCo *FP-11Q.1 Front panel* is in conformity with the essential requirements of the EU's Machinery, Low-Voltage and EMC Directives and carries the CE marking accordingly.

WARRANTY CARD



FP-11Q.1 Front panel

Serial number	7	3	2				
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Date of manufacture: _____ 20__

Quality Control Seal:

Date of sale: « » _____ 20__

(signature, seal)



Cutting line

Warranty Repair Coupon



FP-11Q.1 Front panel

Serial number	7	3	2				
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Date of manufacture: _____ 20__

Quality Control Seal:

Date of sale: « » _____ 20__

(signature, seal)

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