KT08.3A IP-Stile

+55 / -20 temperature range	**12V** operating voltage	**2** passage directions	**30** persons/min
"anti-panic" barrier arms	**Ethernet** interface	**2** readers	**50 000** users
870 000 events	**5** additional inputs	**3** additional outputs	**EMM/HID** card format

Application

KT08.3A IP-Stile is a ready-for-use access control system based on a tripod turnstile. The IP-Stile features:

- IP-Stile housing with built-in controller and two proximity readers
- RC-panel (buttons orientation is to be set upon connecting the panel)
- Software

RC-panel

The IP-Stile can operate:

- as a standalone unit – local software or Web-interface allow assigning cards and checking the events log; operation from RC-panel is available.
- as a part of PERCo ACS – compatible with any system, operation from RC-panel is available.

Ethernet (supports the TCP/IP (ARP, IP, ICMP, TCP, UDP, DHCP protocol stack) is the connection interface with a computer and other controllers of the system.

In order to calculate the number of necessary IP-Stiles, it is recommended to install one turnstile per 500 people working the same shift based on the maximum working load of 30 persons/min.

KT08.3A IP-Stile is certified for compliance with applicable Russian and European CE standards.

Optional equipment

It supports the RS-485 interface connection of the following devices:

- up to 8 CL201.1 lock controllers (CL201.1 controller features a built-in reader and allows operating one lock);
- IC-05 card capture reader (for connection layout see IC-05 description)

Configuration

Through the Web-interface users are able to choose one of the following variants of the IP-Stile controller memory allocation:

- 50,000 cards and 230,000 events – set by default,
- 40,000 cards and 390,000 events,
- 30,000 cards and 550,000 events,
- 20,000 cards and 710,000 events,
- 10,000 cards and 870,000 events.

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Main features

KT08.3A IP-Stile features:

- built-in ACS controller equipped with Web-interface for the initial setting and current parameter control
- built-in proximity reader
- plastic side covers feature built-in passage grant / denial indication, and the top cover features colour dynamic LED indication
- built-in hydraulic damper
- possibility of automatic passage opening upon the command from the Fire Alarm emergency unlocking device
- optical sensors for barrier arms rotation which provide correct passages registration

LED passage indication

Design

The IP-Stile housing is made of stainless steel with ABS-plastic inserts. Barrier arms are made of stainless steel.

Operating conditions

The IP-Stile with regard to resistance to environmental exposure complies with IP54 (for outdoor sheltered application or in premises without climate control).

Operation of the IP-Stile is allowed at ambient air temperature from -20°C to +45°C (to +55°C when used under shelter) and at relative air humidity of up to 100% at +25°C.

Delivery set

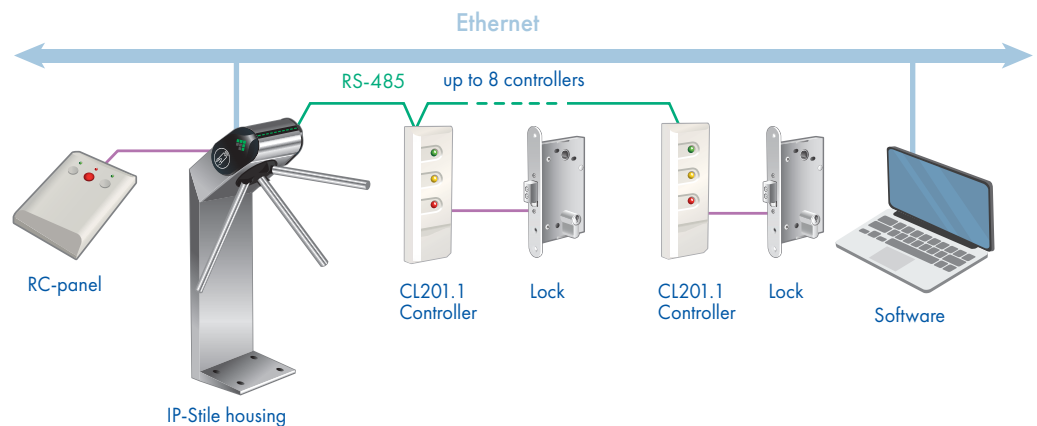| Standard delivery set	
IP-Stile housing with the CT03.2 controller, built-in proximity readers and indication blocks	1
Hub with barrier arms and fastening	1
RC-panel (cable length not less than 6.6 m)	1
SW3 Allen key for the IP-Stile top cover lock	1
Mounting kit	1
Free PERCo-Web license	1
Documentation set	1
Optional equipment (upon request)	
Power supply	1
Intrusion detector	1
Siren	1
WRC kit (features a receiver and two transmitters (fobs) with operation range of up to 40 m)	1
CL201.1 lock controllers	up to 8
SORMAT PFG IR 10-15 anchor bolts	4

Technical specifications

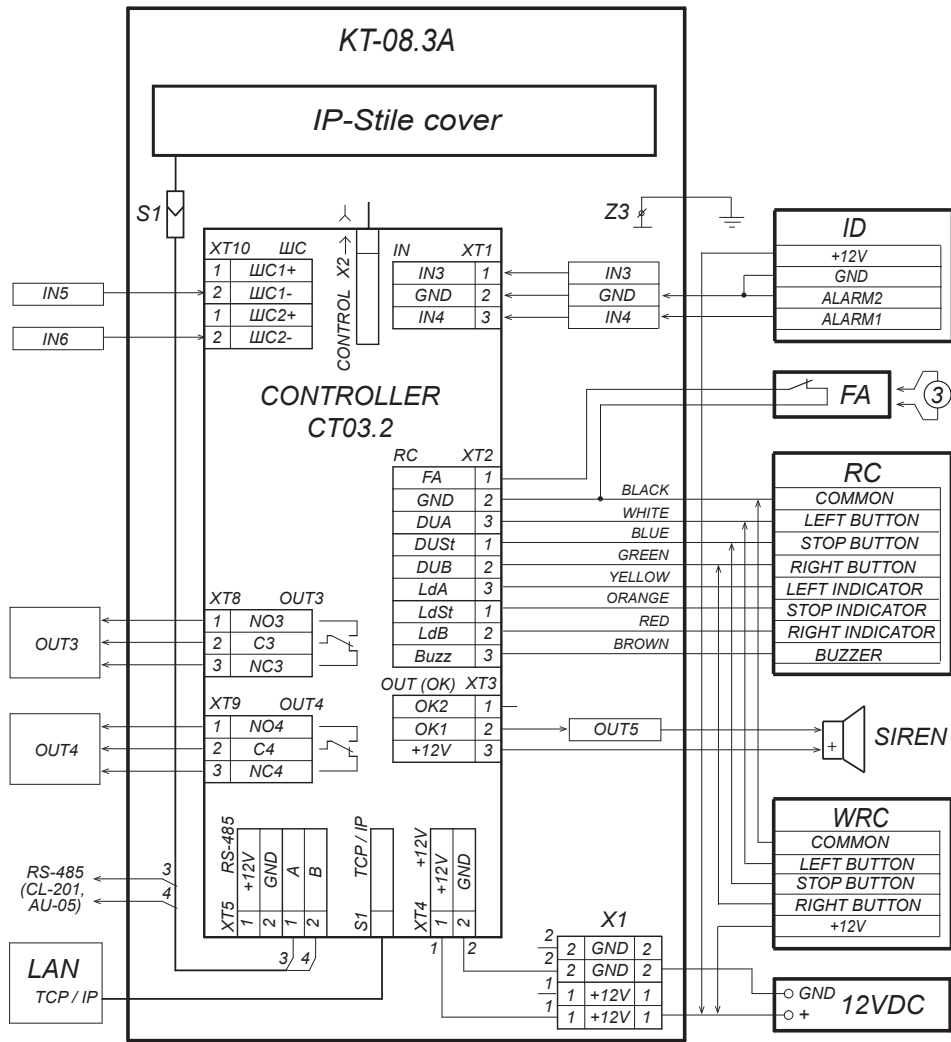| Operating voltage	12±1.2V DC
Current consumption, max.	6.0 A
Power consumption, max.	72 W

Overall dimensions with barrier arms installed (L×W×H)	777x798x1084 mm
Passageway width	500 mm
Net weight, max.	40 kg
Number of readers	2
Proximity cards format	EMM/HID
Card reading distance at the nominal operating voltage	6 cm
Number of users (access cards)	from 10,000 to 50,000
Number of events	from 230,000 to 870,000
Communication interface standard	Ethernet (IEEE 802.3)
Number of additional inputs	5 (1 of them is constant – Fire Alarm)
Number of additional outputs	3
Electric shock protection class	III (IEC 61140)
Ingress Protection Rating	IP54 (EN 60529)
Mean time to failure, min.	4,000,000 passages
Mean lifetime	8 years
Throughput rate	in the single passage mode — 30 persons / min
	in the free passage mode — 60 persons / min

Connection

IP-Stile connection layout

RC-panel — IP-Stile housing — CL201.1 Controller — Lock — CL201.1 Controller — Lock — Software

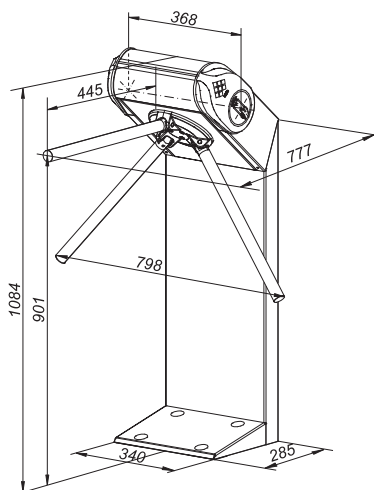Ethernet — RS-485 — up to 8 controllers

PERCo®

KT08.3A wiring diagram

The maximum allowed control cable length is 40 m.

The maximum allowed power cable length depends on its cross-section and shall be:

- 1.5 mm^2 cable cross-section – 10 m;
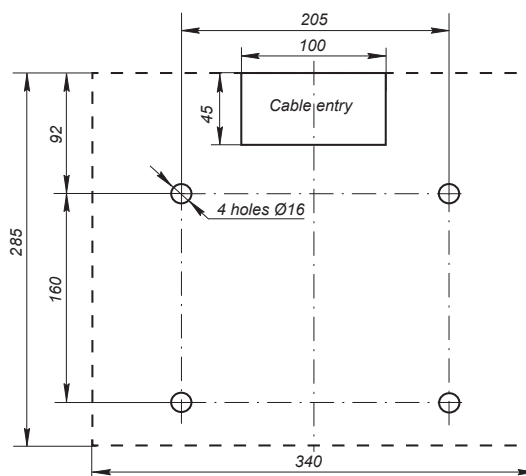- 2.5 mm^2 cable cross-section – 15 m.

Overall dimensions

Overall dimensions
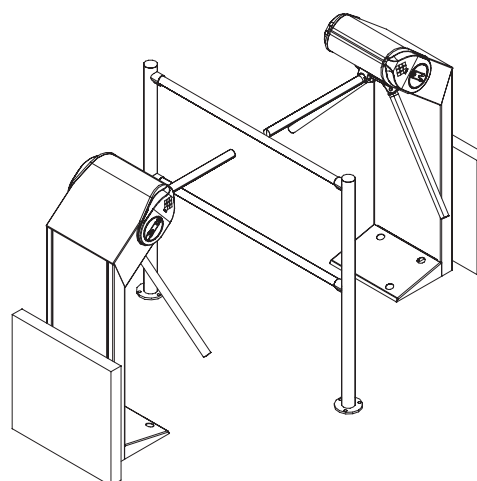
KT08.3A IP-Stile

Mounting

Foundation requirements: concrete (grade 400 or higher), stone or similar foundations of at least 150 mm thick. For the installation of the IP-Stile on a less steady foundation it is recommended to apply reinforcing elements (400×400×300 mm).

Hole marking

Passage zone modeling

Example of an entrance zone project

Warranty

The warranty period is 5 years commencing from the date of sale if other is not stated in the contract for product delivery. In case of purchase and installation of the equipment by PERCo authorized dealers and service centers, the warranty period starts from the moment of the commissioning.

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.