ROTECH
Vehicle Access Control
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Ecoport Entrance System

Installation Instructions (V0922)

Table of Contents

3 Safety

Read the instructions carefully before assembling the product and using it.
Store these instructions for futur use.

3.1 Designated Use

- **The checkout barrier serves as a access guide for open checkouts and as an exit barrier for closed checkouts in sales areas.**

3.2 Areas of Application

- **Application only indoors on steady, level and horizontal ground!**
- **When choosing a location, take into account the passageway limitation caused by the entrance system in building-specific escape route concepts.**
- **Do not use the entrance system in explosive areas.**
- **Observe the local construction and safety regulations as well as the guidelines of the health authorities and regulation authorities.**

3.3 Warning Notes

⚠ **DANGER!** The entrance system contains components with voltage that is dangerous to touch. If it is not properly installed, there is a risk of death.
Result: Risk and injury to people which can lead to death.

► Turn off the power during all works on the network installation!
► Let install an earth leakage circuit breakage (30 mA) before the system.
► Secure the power supply against reclosing, for example by locking the safety catches, sticking up the automatic fuses, displaying of a work notice!
► Check that there is no power!
► Only allow a qualified electrician to carry out the electrical installation.
► Have the electrical installation checked regularly.

⚠ **WARNING!** Automatically moving swivel arm.
Result: Injuries caused by moving swivel arm.

► Make sure that people only linger in the area of the swivel arm to go through.

⚠ **WARNING!** Swivel arms, columns, feet and the connecting tubes for the exit, intermediate and exit sections can break if they are put under strain.
Result: Breakage of swivel arms, columns, feet and connecting tubes and risk of injury for people.

► Make sure that no goods are put on the swivel arm or connecting tubes and that the swivel arm and connecting tubes are not used as a support.
► Make sure that people do not knock against the closed swivel arms, columns or feet of the entry, intermediate and exit sections with shopping trolleys, pushchairs, special moving equipment or during goods transportation or damage the swivel arms, columns or feet in other ways.
► Make sure that children do not play in the area of the swivel arms, climb on the swivel arms, columns, feet or connecting tubes of the entry, intermediate and exit sections or hang on these.

⚠ **CAUTION!** If the foundation is insufficiently strong then the standard fastening may not be enough.
Result: Inadequate fastening of the columns and the feet and risk for people and product.

► Use fastening material or adhesive anchors etc. suitable to the foundation.
► If necessary, with deeper laying concrete layers, use longer screws and distance sleeves.

⚠ **CAUTION!** Damage of power cabling which runs in the floor.
Result: Damage of power cables (electricity, water, heating etc.).

► Before drilling the fixing holes, clarify whether there are power cables running under the intended location.

3.4 Safety Notes

- Observe the rules of the regulatory agencies and the employers mutual insurance associations.
- Observe the accident prevention regulations.
- Observe the connection regulations of the local energy supply company.
- Exclude any hazards and threats of injury for customers and personnel.
- Only use the system according to its intended use.
- Due to its degree of protection, only use the entrance system in dry areas.
- Only use the system according to the degree of protection.
- Do not use the system in areas where there is a danger of explosion.
- Only place the system on steady, level and horizontal ground.
- For securing only use suitable mounting and installation material.
- Instruct your personnel regularly on the functions of the system and document the instructions.
- Do not misuse the panic function to open the system.
- Do not misuse the panic function as a personnel passageway.
- Regularly check the panic function for correct function and document the check.
- Interrupt the mains power supply with maintenance work.
- Carry out maintenance work on a regular basis and keep a record of this.
- Only use original manufacturer spare parts.
- Only allow maintenance and repair work to be carried out by professional personnel or by companies authorised by the manufacturer.
- Have the periphery devices connected or assembled corresponding to the instructions of the manufacturer.

4 Variations

- The diagrams below show the basic models of an Ecoport system or an Ecoport Compact system.
- Various modifications and expansions can be combined from these basic models.
- There is a swivel arm on the column and, if applicable, the column contains the radar components or a light barrier.
- The feet separate the entry or exit sections and serve as fastening points for the intermediate tubes. The light barrier is fixed in the feet of the entry section in the case of systems that have light barrier control.
- The intermediate tubes connect the feet and the columns and contain, if required, the control lines and mains lines.
- The entry section is the guide-rail through the feet and connecting tubes before the columns.
  - With systems with light barriers at the entrance, the entry section is always provided.
  - With systems with radar or radar/light barrier control, the entry section can be provided for better customer guidance.
- The intermediate section is located between the first and second columns in 2-barrier systems.
- The exit section can be provided after the last column to protect from the swiveling swivel arm.

4.1 Overview of Ecoport

The opening pulse is triggered through the radar or light barrier, depending on the model.
A= Light barrier in foot, B= Radar, C= Light barrier in column

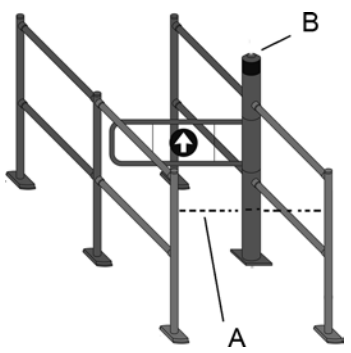


Fig. 1 Individual Ecoport with entry and exit sections

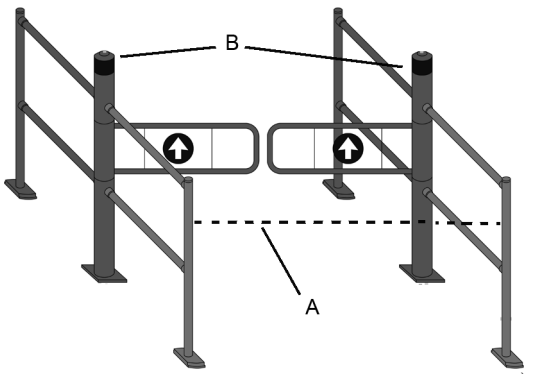


Fig. 2 Double Ecoport with entry and exit sections

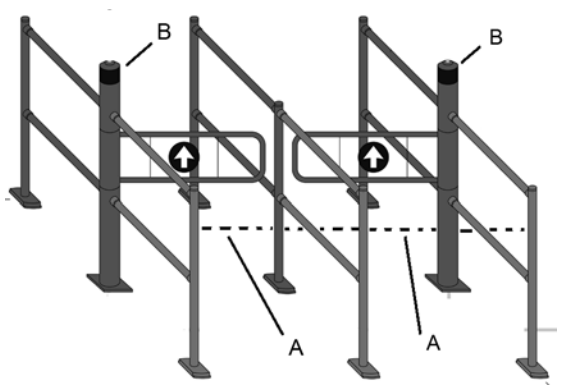


Fig. 3 Double Ecoport with entry and exit sections and central guide-rail

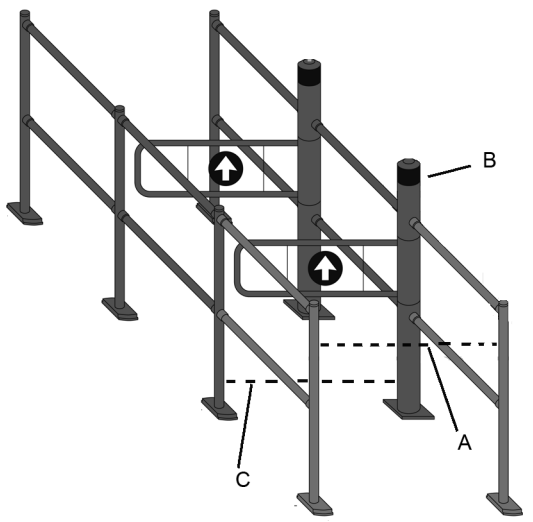


Fig. 4 Individual Ecoport, 2-barrier

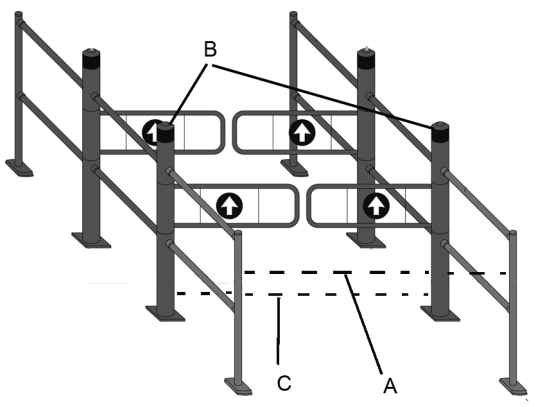


Fig. 5 Double Ecoport, 2-barrier

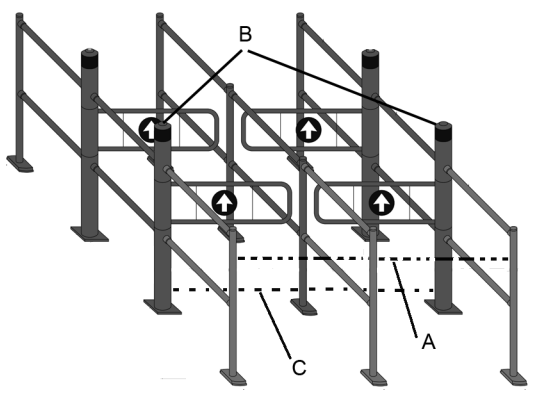
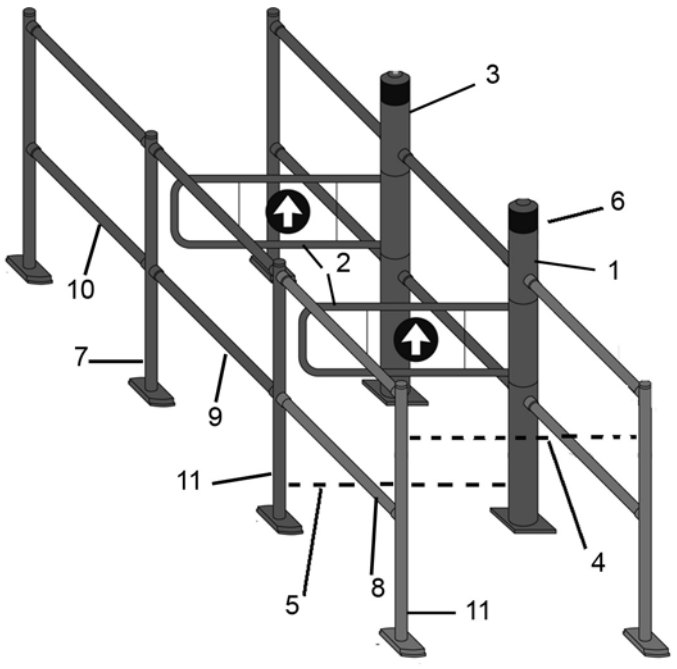


Fig. 6 Double Ecoport, 2-barrier with central guide-rail

5 Diagram of Ecoport

The entrance system consists of:

1. First column, with radar if necessary
2. Swivel arm
3. Second column
4. Light barrier in entry section
5. Light barrier in 1st column
6. Radar head
7. Foot
8. Entry section
9. Intermediate section
10. Exit section
11. Foot with reflecting mirro



6 Technical Information

6.1 Common Technical Information

Nominal connection voltage	100 -240 V ~
Nominal frequency	50 Hz / 60 Hz
Power input each column	max. 60 W
Nominal current each column	max. 0,64 A
Recommended mains fuse	10 A T
Protection class	I
Surrounding temperature	10°C ... 50°C
Weight approximately	25,5 kg / 56.1 lbs.
Degree of protection	IP20

6.2 Measurements of Ecoport Single or Double Columns

6.2.1 Columns with and without Radar

Measurements in mm

Passage width 870 mm / 34.3 inch

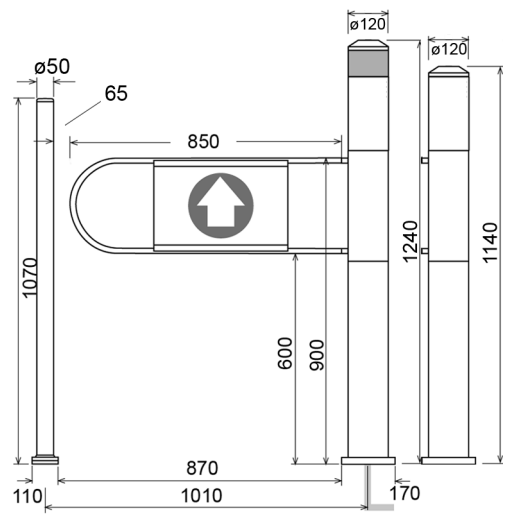


Fig. 7

6.2.2 Double Column

Measurements:

Passage width 1,400 mm / 55.1 inch
Frame width 680 mm / 26.8 inch
Clearance width 1,400 mm/55.1 inch
Column interval 1570 mm / 61.8 inch

or

Passage width 2,000 mm / 78.7 inch
Frame width 980 mm / 38.6 inch
Clearance width 2,000 mm/78.7 inch
Column interval 2,170 mm / 85.4 inch

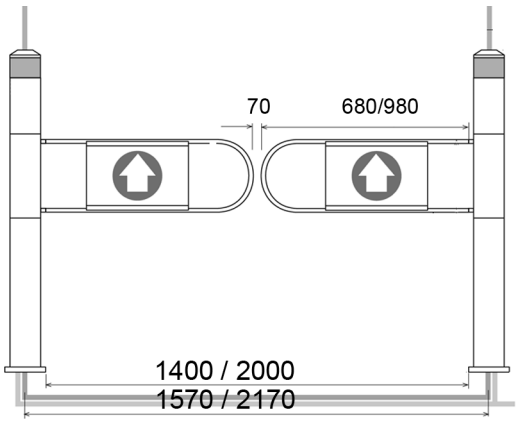
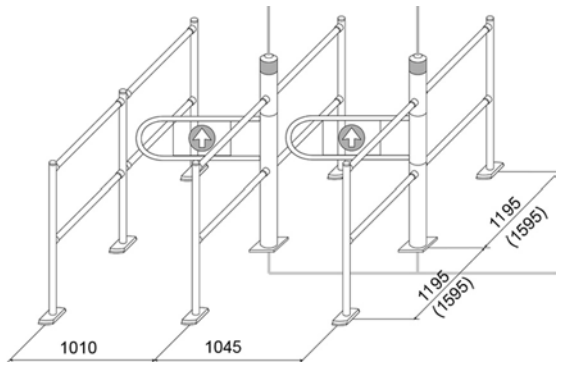


Fig. 8

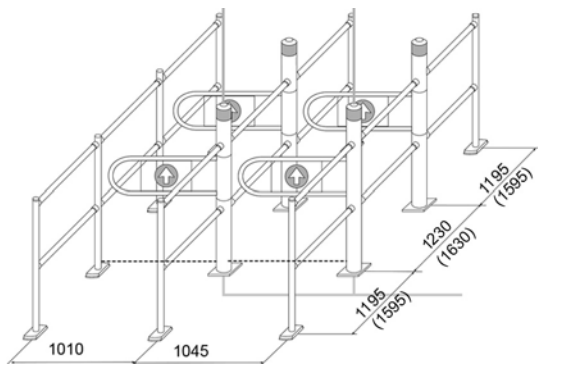
6.3 Measurements of Ecoport Systems

Note: The stated measurements are minimum measurements and allow all possible combinations to be provided.

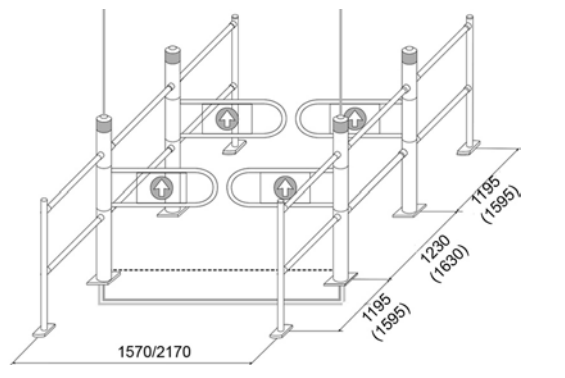
6.3.1 Individual Ecoport with Attachment and Entry and Exit Sections

Measurements in mm Passage width 870 mm Connecting tube length 1100 mm / 43.3 inch Clamp values with Connecting tube length 1,500 mm / 59 inch	 *Fig. 9*

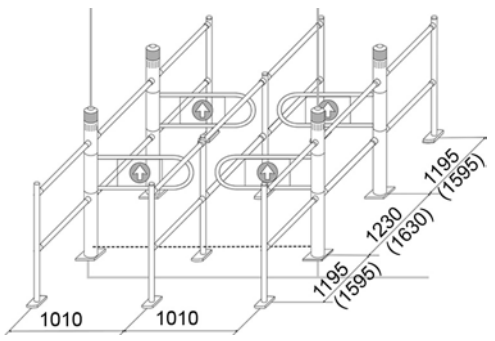
6.3.2 Individual Ecoport 2-barrier with Attachment and Entry and Exit Sections

Measurements in mm Passage width 870 mm / 34.3 inch Connecting tube length 1,100 mm / 43.3 inch Clamp values with Connecting tube length Entry, exit, intermediate sections 1,500 mm / 59 inch	 *Fig. 10*

6.3.3 Double Ecoport 2-barrier with Entry and Exit Sections

Measurements in mm: **Passage width 1,400 mm** / 55.1 inch Entrance interval 1,195 mm / 47 inch Intermediate interval 1,230 mm / 48.4 inch Exit interval 1,195 mm / 47 inch Column interval 1,570 mm / 61.8 inch or **Passage width 2,000 mm** / 78.7 inch Entrance interval 1,195 mm / 47 inch Intermediate interval 1,630 mm / 61.8 inch Exit interval 1,195 mm / 47 inch Column interval 2,170 mm / 85.4 inch	 *Fig. 11*

6.3.4 Double Ecoport 2-barrier with central Guide-Rail and Entry and Exit Sections

Measurements in mm Passage width 870 mm / 34.3 inch Connecting tube length 1,100 mm / 43.3 inch Clamp values with Connecting tube length 1,500 mm / 59 inch	 *Fig. 12*

7 Function

When there is no power supply, the swivel arm of the entrance system is locked in the end position.

7.1 Normal Operation

7.1.1 With Light Barrier

When entering the Ecoport system, the light barrier found in the foot of the entry section is interrupted and the swivel arm opens the passageway area by swiveling 90°.

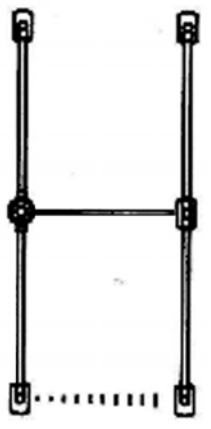
When the default hold-open time has elapsed, the swivel arm swivels back into the locked position.

The exit section (guide area after the column) protects from the moving swivel arm.

Leaving the inside through the entrance system is prevented by the swivel arm which is locked in the locked position.

When the system is switched off, the swivel arm is locked in the end position.

The swivel arm can be opened on the left or the right depending on the model.



7.1.2 With Radar

When entering the registration area of the radar which is in the head of the column, the swivel arm opens the passageway area by swiveling 90°.

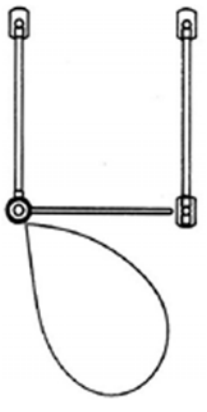
When the default hold-open time has elapsed, the swivel arm swivels back into the locked position.

The exit section (guide area after the column) protects from the moving swivel arm.

Leaving the inside through the entrance system is prevented by the swivel arm which is locked in the locked position.

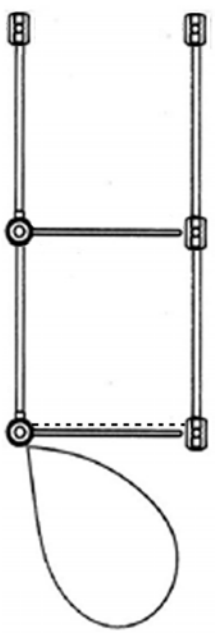
When the system is switched off, the swivel arm is locked in the end position.

The swivel arm can be opened on the left or the right depending on the model.



7.1.3 With Radar and Light Barrier

A system with radar and light barrier is a 2-barrier system.



When entering the system, the opening pulse occurs for the first column through the radar control of the radar located in the first column. The swivel arm of the first system opens and closes after the default hold-open time has elapsed.

The opening pulse for the second system is triggered as soon as the light barrier in the first column is interrupted. The swivel arm of the second system opens and closes after the default hold-open time has elapsed.

The swivel arms of the 2-barrier system close independently of each other.

The swivel arms can be opened on the left or the right depending on the model. Adaptation is possible by Wanzl specialists on-site, if necessary.

7.2 Double System without central Guide-Rail

7.2.1 With Light Barrier

With double systems with light barriers, the light barrier located in the entry section is interrupted and the opening pulse opens both swivel arms synchronously.
After the hold-open time has elapsed, both swivel arms are re-closed.

7.2.2 With Radar

With double systems with radar, the radars of both the columns register the entry area and open both swivel arms synchronously when a radar reacts.
After the hold-open time has elapsed, both swivel arms are re-closed.

7.3 Double Systems with central Guide-Rail

7.3.1 With Light Barriers

With double systems with light barriers, the light barrier located in the entry section of each system is interrupted separately and the opening pulse only opens the swivel arm of the activated system.
After the hold-open time has elapsed, the swivel arm is re-closed.
The two systems work independently of each other.

7.3.2 With Radar

With double systems with radar, the radar from each column registers the entry area of the assigned system and opens the relevant swivel arm.
After the hold-open time has elapsed, the swivel arm is re-closed.
The two systems work independently of each other.

7.4 2-barrier Systems

7.4.1 With Light Barriers

With 2-barrier systems, the light barrier in the entry section of the first system is interrupted when entering the Ecoport system and triggers the opening pulse for the first swivel arm.
The first swivel arm opens and closes after the default hold-open time has elapsed.
When passing the first column, a light barrier integrated into the column is interrupted, which opens the second swivel arm.

The second swivel arm opens and closes after the default hold-open time has elapsed.

7.4.2 With Radar and Light Barriers

With 2-barrier systems, the first swivel arm is opened by the entry radar of the first column. When passing the first column, a light barrier integrated into the first column is interrupted, which opens the second swivel arm.

Both the swivel arms close independently of each other after the default hold-open time has elapsed.

7.5 Double Systems, 2-barrier, without central Guide-Rail

7.5.1 With Light Barriers

With 2-barrier double systems with light barriers, the light barrier located in the entry section is interrupted and the opening pulse opens both the swivel arms of the first system synchronously. After the hold-open time has elapsed, both swivel arms are re-closed.

When passing the first column, the light beam of the light barrier located in the first column is interrupted and opens both swivel arms of the second system synchronously.
After the default hold-open time has elapsed, both swivel arms of the second system are re-closed.

7.5.2 With Radar and Light Barriers

With 2-barrier double systems, both swivel arms of the first system are opened by the entrance radar of the two first columns, which means the registration of a radar opens both front swivel arms synchronously.
When passing one of the two front columns, a light barrier integrated into the first column is interrupted, which synchronously opened the rear swivel arms.
Both swivel arms of the front system close synchronously after the default hold-open time has elapsed.
Independent of the front system, both the rear system swivel arms close synchronously after the default hold-open time has elapse

7.6 Double Systems, 2-barrier, with central Guide-Rail

7.6.1 With Light Barriers

With 2-barrier double systems with central guide-rail, the right and left systems work independently of each other.

When entering into one of the two systems, the light barrier located in the entry section is interrupted and the opening pulse opens the first swivel arm of the relevant system.
After the hold-open time has elapsed, the first swivel arm is re-closed.

When passing the first column, the light beam located into the first column is interrupted and opens the second swivel arm of the system.
After the default hold-open time has elapsed, the second swivel arm is re-closed.

7.6.2 With Radar and Light Barriers

With 2-barrier double systems with central guide-rail, the right and left systems work independently of each other.

When approaching one of the two columns, the radar of the relevant column registers the person approaching and triggers the opening pulse for the first swivel arm of the relevant system.
After the hold-open time has elapsed, the swivel arm re-closes.

When passing the first column, a light barrier integrated into the first column is interrupted, which opens the second swivel arm of the relevant system.
After the hold-open time has elapsed, the second swivel arm re-closes.

7.7 Panic Function

The panic function can be triggered in a closed passageway.
Only use the panic function in emergency cases of danger, fire etc.
Do not misuse the panic function to open the passageway.
Do not misuse the panic function as a personnel passageway.
Check the panic function regularly (at least every six months) and document the inspection.

Caution:
The swivel arm can be opened to 90° in the case of panic.
Overstretching it will damage the entrance system.
Make sure that the swivel arm is not overstretched when the panic function is being used.

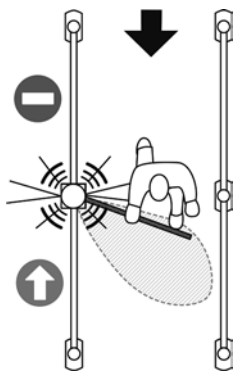
It is possible to leave the sales area through an entrance system, e.g. in cases of panic, as long as enough pressure is applied to the swivel arm.

The locking of the swivel arm is triggered through applying pressure. This can be moved and the passageway is free.
If required, an acoustic alarm (accessory) sounds at the same time.

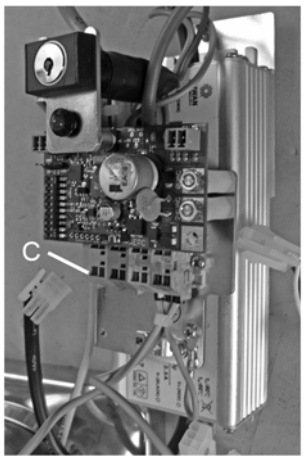
After the panic function has been triggered, the swivel arm must be put back into the operational position by trained personnel.

The panic direction (direction of exit) is visible by a sticker on the column.

The panic function also works if the barrier is switched off.



7.8 Power Supply Ecoport



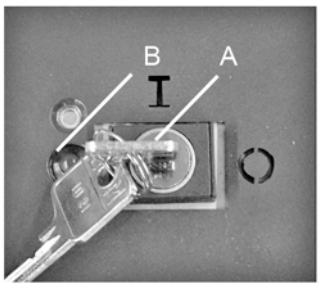


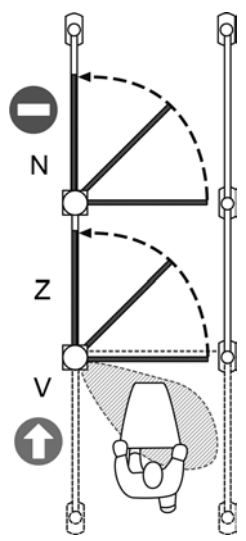
Fig. 13

The control box is built into the standing columns and contains:

- Attachment screws (A)
- Key (mains) switch (B)
- Operating LED (C)

Switch position	Ecoport
Switch on I	System switched on Operating LED lights up
Switch on O	System switched off Operating LED does not light up

7.9 Entry Section, Intermediate Section, Exit Section



A fastened entry section (V) (guidance in front of the column) guides the customers from in front into the radar beam and, in this way, recognises an entrance in good time.

At the same time, the entry section ensures against unexpected triggering of the radar recognition through cross traffic and therefore prevents leaving the access area through the entrance.

The intermediate section (Z) (guidance between two columns) with 2-barrier systems protect the swivel area of the first swivel arm and prevent leaving the access area between the columns.

The exit section (N) is always after the last column and safeguards people in front of the swivel area of the second swivel arm.

With systems with light barrier recognition, an entry section is always available, which contains the light barrier for the (first) swivel arm.

7.10 Accessories

7.10.1 Power Supply from the Ceiling

Note: The ceiling height may amount to maximally 6 m.

The mains power supply can follow alternatively from the ceiling. Thus if necessary you can do without constructional measures and rebuilding is simplified.
The Technoport columns are prepared for the power supply from the ceiling from the factory. The internal power supply lines for the connection in the covering cap is integrated in the column.

With double systems, the cross connection can also follow through the ceiling.

- The accessory package "power supply from the ceiling" contains
  - ceiling holder
  - power supply tube (3 m)
  - clamp tube
  - connection cap for the columns
  - adaptor

7.10.2 Control Panel

In addition to the sensors like radar or light barrier, the systems can also be controlled through a control panel.

The following functions are available:

- **Switch H**
  - Switch down: „Single"
    with the relase key „I" the passage can be opend once.
  - Switch up: „constantly open"
    with the relase key „I" the passage van be opend and remains open as long as the switch is in this position.
- **Switch I „Single Relase"**
  - Key activated:
    the passage is opened and closes after expiry of the hold-open time.

7.10.3 Remote Hand Switch

External hand switch
for function „Single free“

Fig. 14

7.10.4 Remote Foot Switch

External foot switch
for function „Single free“

Fig. 15

7.10.5 Digital Counter in the Standing Column

Fig. 16

In the standing columns, there is a digital counter in the radar head.

This shows the number of persons entering. The recording follows:

- through the radar module which belongs to the standing column
- or through the light barrier in the entry section.

A reset key on the counter makes it possible to set the counter back to zero.

7.10.6 Radio Remote Control

For the radio remote control see also operating instruction 98.73693.BA-xxxx.

With the radio remote control one or more systems can be remotely controlled.

Depending on the environmental conditions, the coverage is up to 30 m.

The following functions can be remotely controlled:

- **Key 1 or 2**
  - Activate key < 4 seconds:
    the passage is opened in the direction of the entrance for the hold-open time.
  - Activate key > 4 seconds:
    the passage is opened in the direction of the entrance and remains open.
  - To close the passage activate any key.
- **Key 3**
  - Key activated:
    the passage is opened in the direction entrance and remains open.
  - To close the passage activate any key.

8 Assembly

Attention:
When choosing the assembly location, keep in mind the swivel arm width and the necessary swivel area.

8.1 Assembly of the Columns and Feet

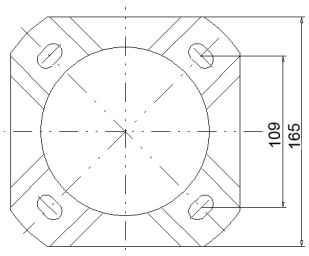


Fig. 17

- ► Set the columns at the planned assembly location.
- ► Mark the position for the fastening screws of the column.

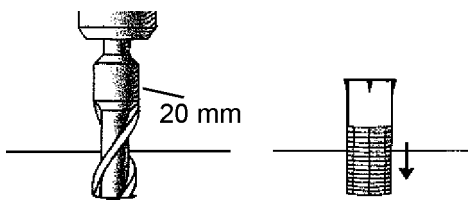


Fig. 18

- ► Drill the 4 fixing holes for the column with a 20 mm concrete drill.
- ► Completely remove the drill dust (drilling dust reduced the holding power of the plug).
- ► Only use the plug flush with the floor surface!
- ► Screw the M10x60 hexagonal screw into the M10 plug.
- ► Remove the screws again.

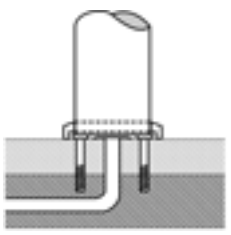


Fig. 19

- ► Place the column on the inserted plugs.
- ► Feed the power supply to the column through an empty tube laid in the floor
  or
  guide the power supply through the ceiling and an empty tube in the column of the entrance system.
- ► In the same way, with double systems, lead the 12 V signal cabling through the floor supply
  or
  through the ceiling supply to the other columns.

  Pay attention that the power supply and signal cabling are separately laid to avoid disturbances through coupling.
- ► Remove the power supply unit from the column by loosening the screws (A).
- ► Guide the power supply into the column and back out through the opening for the power supply unit.
- ► In the same way, with double systems, lead the 12 V signal cabling to the other power supply units.

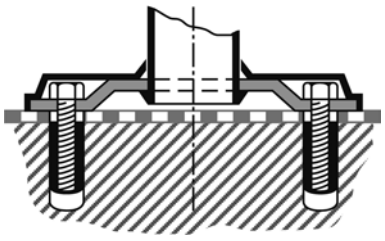


Fig. 20

- ► Lift the foot plate covering of the column and drill the M10x60 hexagonal screws through the fixing holes of the foot plate into the plugs.
- ► Screw the foot plate firmly with the hexagonal screws.

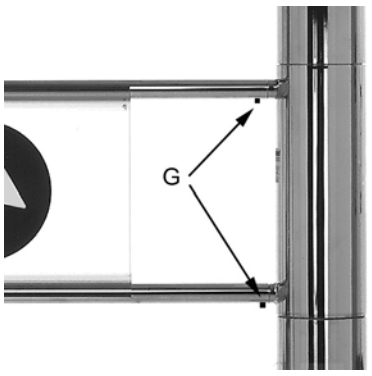
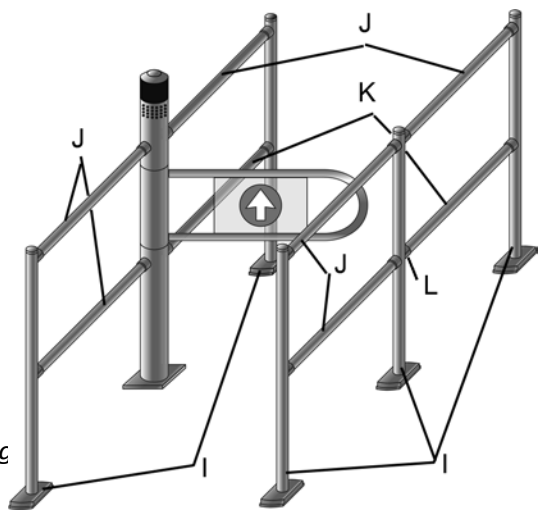


Fig. 21

- ► Fasten the swivel arm onto the swivel pipe with hexagonal screws M8 (G).
- ► Tighten the screw M8 with a torque of 25 Nm.



Fig

- ► Fasten the other feet (I) of the remaining entrance system in the same way.
- ► Pay attention to the required minimum intervals between the feet and columns (see chapter 6.3).
- ► Pay attention to the cables running in the floor, if required.
- ► Insert the connecting pipes (J) before screwing the feet down tightly and fix these at the ends in the connecting sleeves with the screws (L).
- ► Make sure that, if required, cables run to the other feet and columns in the lower connecting tubes (K) of the entry, intermediate and exit sections.

8.2 Electrical Connection

⚠ **DANGER!** Voltage which can be dangerous when touched in the line of the system.
Result: When touching with power currency danger of injury including death.

► To separate from the mains, only use a separation means which has a contact opening width of at least 3 mm on each pole.

8.2.1 Design of the Protective Earth Connection

⚠ **DANGER!** Improper connection of the protective earth can be a danger to life in case of an error.
Result: In case of an error injury through electrical shock. Danger to life!

► Allow the protective earth connection be carried out through an electrician only!

Fig. 23

► Insert the cable lug with the protective earth conductor.

8.2.2 Power Supply Circuit

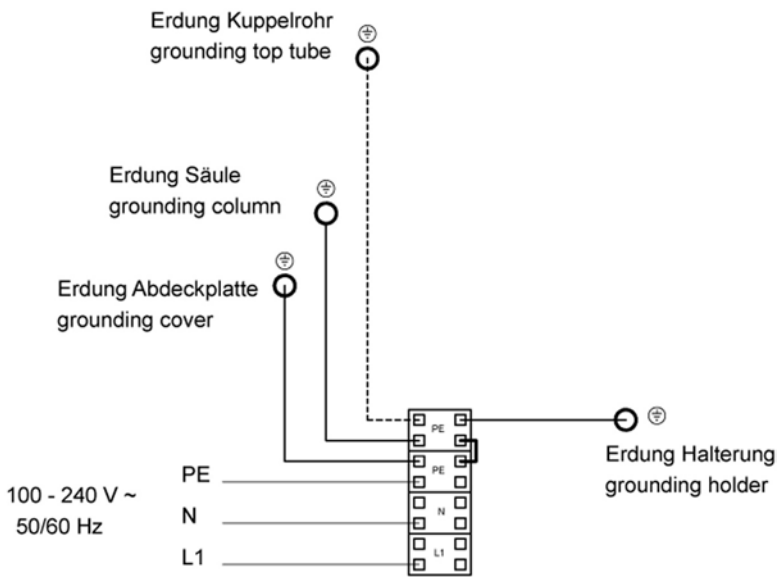


Fig. 24

8.2.3 Connection of the Ecoport to the Power Supply

⚠ **DANGER!** The entrance system contains assemblies that carry a mains voltage that is dangerous to the touch. There is a risk of fatality in the event of improper installation. The result: people may be endangered and injured or even killed.

- ► Switch off the mains supply when working on the mains installation.
- ► Have a ground fault interrupter installed upstream of the system (30 mA).
- ► Take measures to prevent the mains supply being switched back on such as removing the fuses, taping over the automatic circuit-breakers and attaching a 'work in progress' sign, for example.
- ► Check that the unit is isolated from the supply.
- ► Electrical installation should be carried out by a trained electrician only.
- ► Have the electrical installation checked at regular intervals.

Please observe the connection regulations of the local power supply company.

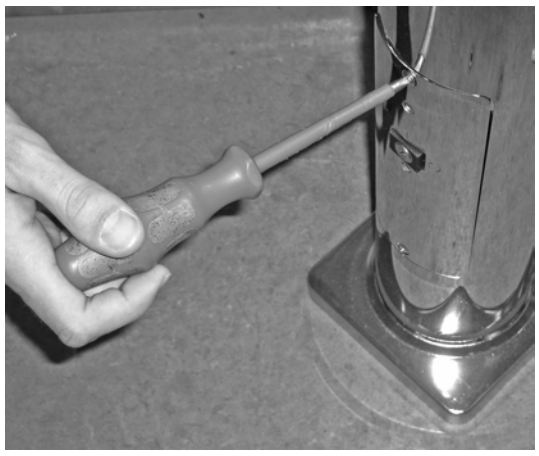


Fig. 25

Fig. 26

Fig. 27

Fig. 28

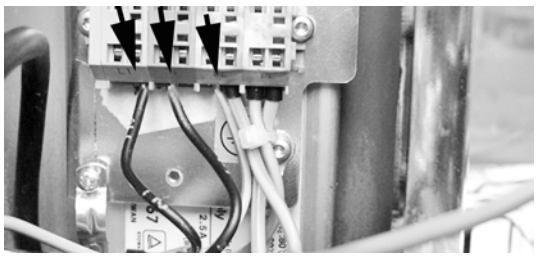


Fig. 29 Connect the supply line to the terminal provided.

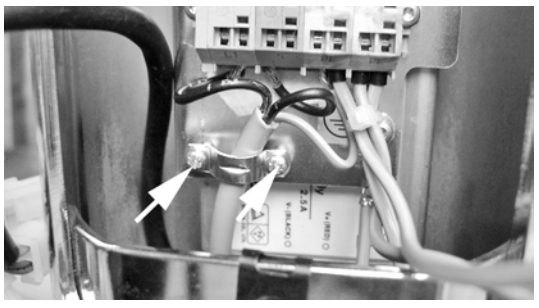


Fig. 30 Secure the supply line with the strain relief.

8.2.4 Electrical Connection from the Ceiling with Ecoport (optional)

Note: The maximum ceiling height is 6 m.

- With the power supply from the ceiling, the accessory package "Power supply from the ceiling" is necessary.
- The internal power supply lines for the power connection in the covering cap is integrated in the column.
- This line is not used with the power supply through the floor.
- The earthing connection to the coupling tube of the column has already been connected.
- The power supply line is provided with a clamp on the upper end, on the lower end with a straight plug.
- The accessory package "power supply from the ceiling" contains
  - ceiling holder
  - power supply tube
  - clamp tube 70 mm
  - connection cap for the columns
  - adaptor

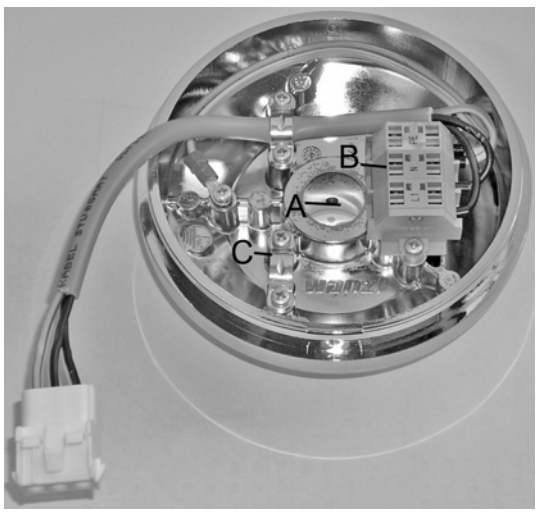


Fig. 31

- ► Remove the upper end cap of the column.
- ► Assemble the ceiling bracket.
- ► Guide the ceiling supply cable through the ceiling bracket to the end cap.
- ► Put the power supply pipe over this ceiling supply; if necessary, adjust the length.
- ► Stick the ceiling supply cable through the opening (A) of the new end cap.
- ► Connect the ceiling supply cable with clamp (B).
- ► Fix the cabling with the provided traction relief clips (C).
- ► Fasten the end cap to the column.
- ► Fix the ceiling supply cable in the lowered into the ceiling after the column has been connected.

9 Commissioning

For the switch positions see also chapter 7.8.

► Check to see if the standing columns, the pedestals, the swivel arms and the connection tubes are properly attached.

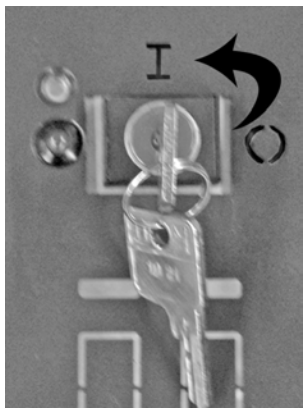
► Check to see if the key switch on the standing column is in the position "off" (down).

► Switch on the mains power supply.

9.1 With Ecoport

► Switch the key switch in the position "I"(EIN) (up).

The green LED (operating LED) on the standing columns lights up.
The swivel arm closes after a short time.
The system is operating.



10 Function Inspection

10.1 Normal Operation

10.1.1 With Light Barrier

The swivel arm is closed.

► Enter the entrance of the entrance system and interrupt the light barrier.

The swivel arm opens.

► Go through the entrance system and leave the entrance system in the direction of the store interior

The swivel arm closes after the hold-open time has elapsed.

10.1.2 With Radar

The swivel arm is closed.

► Enter the registration area of the radar beam.

The swivel arm opens.

► Go through the entrance system and leave the registration area of the radar beam.

The swivel arm closes after the hold-open time has elapsed.

10.1.3 With Light Barrier and Radar (2-barrier / double 2-barrier)

The swivel arm is closed.

► Enter the registration area of the radar beam in the first column.

The first swivel arm opens.

► Go past the first column.
This means you interrupt the light barrier in the first column.

The second swivel arm opens.
The first swivel arm closes after the hold-open time has elapsed.

► Leave the entrance system in the direction of the store interior.

The second swivel arm closes after the hold-open time has elapsed.

10.2 Checking the Panic Function

Caution:
The swivel arm can be opened to 90° in the case of panic.
Overstretching it will damage the entrance system.
Make sure that the swivel arm is not overstretched when the panic function is being used.

The swivel arm is closed.

► Try to open the swivel arm against the passageway direction.

The swivel arm blocks the passage and does not open.

► Apply strong pressure against the swivel arm.

The panic function is active and the swivel arm can be opened.
If required, an acoustic panic alarm (accessory) sounds at the same time.
The swivel arm remains moveable.

► Re-set the swivel arm manually until the swivel arm locks into place.

Switch of the system for minimum 120 s at malfunction!

10.3 Function Check of the Accessories

10.3.1 Control Panel

- **Switch H „constantly open“**

The swivel arm is closed.

► Switch the switch (H) to upwards.

The swivel arm opens and remains open.

► Switch the switch (H) downwards.

The swivel arm closes.

- **Key I „Single relase“**

The swivel arm is closed.
The switch (H) is down.

► Shortly activate the key (I).

The swivel arm opens and closes after expiration of the hold-open time.

10.3.2 Digital counter in the standing column

The swivel arm is closed.

► Note the counter reading at the counter.

► Walk through the system.

► Control the counter reading again.

The counter reading has increased for 1.

► Push the reset button at the counter.

The counter reading will be set back to 0.

10.3.3 Remote Control

► Shortly activate the key 1 or 2 of the hand held transmitter.

The passageway is opened in the direction of the entrance and closes after expiration of the set hold-open time.

► Shortly activate the key 3 of the hand held transmitter.

The passageway is opened in the direction of the entrance and remains open.

► Activate any key.

The passageway is closed.

10.3.4 Remote Hand Switch

The swivel arm is closed, a passageway is not possible.

► Activate the remote hand switch.

The passageway is relased in direction of entrance.
The passageway is possible for the set hold-open time.

10.3.5 Remote Foot Switch

The swivel arm is closed, a passageway is not possible.

► Activate the remote foot switch.

The passageway is relased in direction of entrance.
The passageway is possible for the set hold-open time.

11 Malfunction

Disconnect the system 120 s from the power supply at a malfunction. Should the error after switching on the system stil appear, you have to inform the Wanzl Service.

12 Care and Maintenance

DANGER! Do not clean electrical components with a damp cloth.
Result: Risk of death by electric shock or disruption of electrical components.

► Make sure that the electrical components are not cleaned with a damp cloth.

Regular cleaning, care and checking will preserve the value of the entrance system.

► 25°C warm water with washing up liquid is particularly suitable for cleaning the entrance system.

► Only slightly dampen the cleaning cloth.

► After drying apply INOX Brillant stainless steel protector to the surfaces of all stainless steel parts.

► With stainless steel parts, manually remove any flash rust spots with Scotch polishing pads, clean the surfaces and apply INOX Brillant stainless steel protector.

► Check the entrance system regularly to make sure it is functioning correctly.

► Make sure a qualified electrician checks the electrical installation regularly.

► Keep a written record of all inspections.

► Wanzl recommends that you completely clean the system regularly at least every six months.

► Do not use any material made from microfibre or similar when cleaning the system.

► Clean the reflecting mirror on systems with light barriers at short regular intervals with a soft cotton cloth.

► Regularly check reflex mirrors for damage and replace defective reflex mirrors.

12.1 Regular Test of the Swivel Arm Position

► Check regularly whether the swivel arm stands in normal operation in „the closing position “and not after releasing the panic function openly and/or not completely closed remained standing.

► Place the swivel arm if necessary by hand into the operating position back (closing position).

13 Dismantling and Disposal

13.1 Dismantling

⚠ **DANGER!** The entrance system contains power that is dangerous to touch.
Result: Risk of electric shock.

- ► Turn off the power supply.
- ► Get a qualified electrician to carry out the disconnection and clamping of the power supply.
- ► Ensure that the system cannot reclose by locking the fuses or using an automatic circuit breaker and displaying a work notice.
- ► Check that there is no power.

► Dismantle the entrance system in the reverse sequence to how it was assembled .

13.2 Disposal

► Dispose of the components in an environmentally friendly way depending on the material.

► Pay attention to the national regulations.

► Pay attention to the local regulations from the Waste Disposal Act.