record FlipFlow - Service-Display

User manual

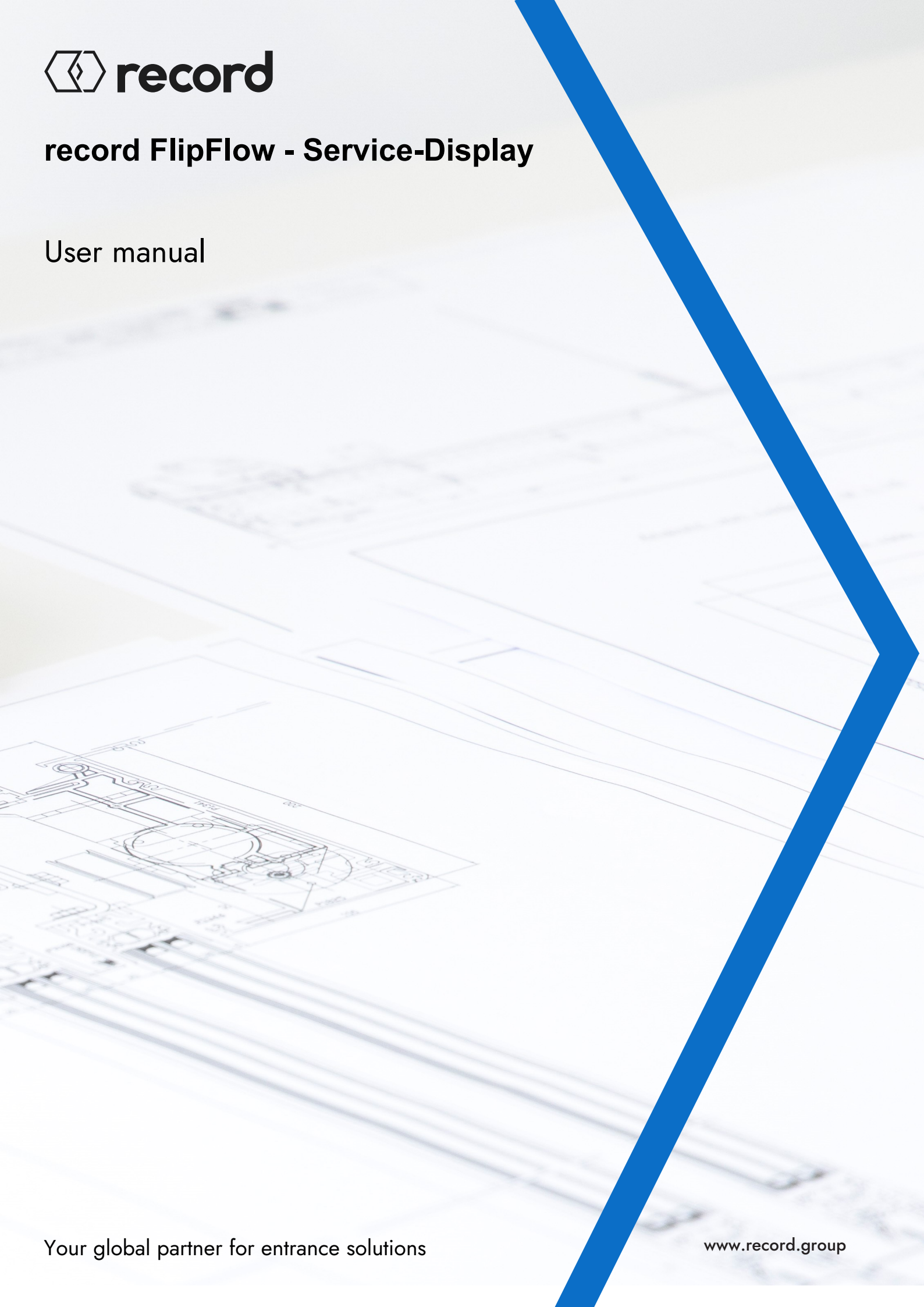

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Table of contents

List of changes

Change	Location
Complete revision of all Sections and content	Entire document
New Section structure	Entire document
Revision of all graphics	Entire document

1 Safety

1.1 Presentation of warning signs

Various symbols are used in this guide for easier understanding:

NOTICE

Useful advice and information to ensure correct and efficient workflow of the system.

IMPORTANT

Specific details which are essential for trouble-free operation of the system.

IMPORTANT

Important details which must be read for proper function of the system.

CAUTION

Against a potential hazardous situation that can lead to minor personal injury and property damage.

WARNING

Against a latent hazardous situation that can lead to severe injuries or death and cause substantial property damage.

DANGER

Against an imminent hazardous situation that can lead to severe injury or death.

DANGER

Against an imminent or latent hazardous situation that could lead to electric shock and cause serious injury or death.

1.2 Intended purpose of use

The system is designed exclusively for use as a pedestrian passage. The installation must only occur in dry areas. If there are deviations then proper waterproofing and water drains will be required on-site.

Any other application or use beyond this purpose is not considered to be an intended purpose. The manufacturer bears no liability for any resulting damage; the operator alone shall bear the associated risk.

The intended purpose also includes observation of the operating conditions specified by the manufacturer, in addition to regular care, maintenance and repair.

Interventions in or alterations to the installation performed by non-authorized maintenance technicians exclude the manufacturer's liability for consequential damages.

1.3 General hazards

The following section lists hazards that can be caused by the system even when used as intended.

To reduce the risk of malfunction, damage to property or injury to persons and to avoid dangerous situations, the safety instructions listed here must be observed.

The specific safety instructions in the other sections of this manual must also be observed.

IMPORTANT

The country-specific regulations must be observed and complied with!

IMPORTANT

To avoid malfunctions, moving objects such as flags or parts of plants must not be allowed to enter the detection range of the sensors.

CAUTION

Risk of malfunctions, material damage or injury due to improper settings!

a) Improper settings can lead to malfunctions, material damage or personal injury.

⇨ Do not disconnect the system from the power supply overnight.

⇨ Settings should only be made by personnel qualified to do so.

⇨ Do not disassemble, put out of operation or manipulate safety devices.

⇨ Have faults rectified by specialist personnel or by personnel qualified to do so.

⇨ Have service and maintenance carried out according to locally applicable regulations or according to a maintenance contract.

CAUTION

Risk of malfunctions, material damage or injuries due to insufficient or missing cleaning or care!

a) Insufficient or inattentive cleaning or care of the system can lead to malfunctions, damage to property or injury to persons.

⇨ Check the sensors regularly for dirt and clean them if necessary.

⇨ Regularly remove dirt accumulations in the floor rail or under the floor mat.

⇨ Keep the system free from snow and ice.

⇨ Do not use aggressive or caustic cleaning agents.

⇨ Use road salt or loose chippings only conditionally.

⇨ Lay the floor mat without folds and flush with the floor.

⇨ Equipment required for cleaning purposes such as ladders or similar must not be leaned on or attached to the system.

CAUTION

Risk of material damage or injury due to unforeseen opening, closing or turning of the door!

a) The door can open, close or turn unexpectedly. This may result in damage to property or injury to persons.

⇨ No persons may be present in the opening area of the system.

⇨ Ensure that moving objects such as flags or parts of plants do not enter the detection range of the sensors.

⇨ Do not make any settings on the control unit when the system is in use.

⇨ Have faults rectified immediately by specialist or personnel qualified to do so.

⇨ Remove objects from the opening area.

⇨ Do not disassemble, put out of operation or manipulate safety devices.

⇨ Do not rush through a closing system.

CAUTION

Risk of bruising and severing of limbs!

a) If the system moves, careless behaviour can lead to serious injuries to limbs or severance of limbs.

⇨ Do not reach in when parts of the system are moving.

⇨ Keep a distance when parts of the system move.

⇨ Do not bump into or touch the system when it is moving.

⇨ Do not open or remove protective covers during operation.

⇨ Do not permanently remove covers from the system.

⇨ Only carry out inspection, service, maintenance and cleaning when the system is stationary and switched off.

CAUTION

Danger of material damage or injury due to non-functioning safety devices!

a) If safety devices are not functioning, manipulated or put out of operation, there is a risk of damage to property or injuries that can lead to death.

⇨ Never disable or manipulate safety devices.

⇨ Have inspection, service and maintenance of the safety devices carried out according to local regulations or according to a maintenance contract.

CAUTION

Danger of malfunctions, damage to property or risk of injury if used by unauthorised persons!

a) If unauthorised persons use the system, there is a risk of malfunction, damage to property or injury to persons.

⇨ Children under 8 years of age may only use the system under supervision.

⇨ Children must not play, clean or maintain the system.

⇨ Persons with limited physical, sensory or mental abilities as well as persons with insufficient knowledge or experience may only use the system under supervision or must have received and understood instructions to do so.

DANGER

Danger to life due to electric current!

a) In case of contact with live parts, there is an immediate danger to life due to electric shock. Damage to or removal of the insulation or individual components can be life-threatening.

⇨ Before starting work on active parts of electrical systems and equipment, ensure that all poles are voltage free and that this is maintained for the duration of the work.

⇨ Keep moisture away from live parts. This can lead to a short circuit.

⇨ Never bridge fuses or put them out of operation.

⇨ Do not connect the power supply until all work has been completed.

⇨ Have work on the electrical system performed by qualified personnel only.

DANGER

Danger to life due to non-functioning safety devices of the fire protection system!

a) If safety devices of the fire protection system do not function properly, there is a risk of serious or fatal injuries.

⇨ Never disconnect the fire protection system from the power supply overnight.

⇨ Do not disassemble, put out of operation or manipulate safety devices.

⇨ Do not remove safety instructions on the system.

⇨ Never block, hold open or otherwise prevent fire doors from closing.

⇨ Have inspection, service and maintenance of the fire protection system carried out in accordance with locally applicable regulations or according to a maintenance contract.

⇨ Have the fire protection system checked and maintained according to the state of the art.

1.4 State of technology

This system was developed using state of the art technology and officially recognized technical safety regulations. The system, depending on its options and diameter, comply with the requirements of the Machine Guidelines 2006/42/EG as well as EN 16005 and DIN 18650 (D).

Nevertheless, danger may arise if not used as intended.

IMPORTANT

Installation, commissioning, inspection, maintenance and repair work may only be conducted by qualified, trained and authorized technicians.
After commissioning or repair work, fill in the check list and give it to the customer for safe keeping.
We recommend obtaining a service agreement.

1.5 Personal protective equipment

Personal protective equipment is used to protect persons from adverse effects on health. Personnel must wear personal protective equipment during the various work activities on and with the system.

Personal protective equipment is explained below:

Hearing protection is used to protect the hearing from noise. As a rule of thumb, hearing protection is compulsory from when normal conversation with other people is no longer possible.

The head protection serves to protect against falling and flying parts and materials. It also protects the head from bumping into hard objects.

Protective goggles protect the eyes from flying parts, dust, splinters or splashes.

Protective gloves are designed to protect hands from friction, abrasions, punctures or serious injury and from burning caused by contacting hot surfaces.

Safety shoes protect the feet from crushing, falling parts and slipping on surfaces. The puncture resistance of the shoes ensures, that pointy objects do not penetrate the foot.

The high-visibility vest is used to make the personnel stand out and therefore to be seen. With improved visibility and attention, the high-visibility vest protects personnel in busy work areas from collisions with vehicles.

Depending on the place of work and the working environment, the protective equipment varies and must be adapted accordingly. In addition to protective equipment for specific work, the work site may require other protective equipment (for example a harness).

In hygiene-protected areas, special or additional requirements of personal protective equipment may be required. These requirements must be considered when choosing personal protective equipment. If there is any uncertainty regarding the choice of personal protective equipment, the safety officer must be consulted at the place of work.

1.6 Spare parts and liability

Reliable and trouble free operation of the door is only guaranteed when using parts that were recommended by the manufacturer. The manufacturer declines any liability for damages resulting from unauthorized modifications to the door or the use of parts that are not permitted.

2 General information

2.1 Purpose and use of the instructions

These instructions are an integral part of the system and enable the efficient and safe handling of the system.

Although only the male form has been chosen for reasons of better legibility, the information refers to members of both sexes.

The instructions must be read and understood before starting any work. The basic requirement for safe working is to follow the safety instructions and the handling instructions. In addition, the local regulations and safety rules apply.

The instructions can be handed over in extracts to instructed personnel who are familiar with the work on the system.

The illustrations are for basic understanding and may differ from the actual presentation. Specific representations are contained in the drawings.

IMPORTANT

After the work on the system has been completed, the test book and the operating instructions must be handed over to the operator.

2.2 Copyright

The copyright of the instructions remain at:

BLASI GmbH

Carl-Benz-Str. 5-15

D – 77972 Mahlberg

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Violation of the here stated copyrights will be prosecuted and fined with compensation of damage.

Subject can change without prior notice.

Differences between product and manual are thereby possible.

2.3 Product identification

The nameplate located on the door provides accurate identification of the product.

2.4 Manufacturer BLASI GmbH

BLASI GmbH Automatic Door Systems

Carl-Benz-Str. 5-15

D-77972 Mahlberg

Germany

Telephone: +49 7822-893-0

Fax: +49 7822-893-119

2.5 Target groups

CAUTION

Risk of injury if personnel are insufficiently qualified!

If unqualified personnel work on the system or are in the danger zone of the system, dangers may arise which can cause serious injuries and considerable damage to property.

a) All work must be carried out by qualified personnel only.

b) Keep unqualified personnel away from danger areas.

This operating manual is intended for the target groups listed below:

– Operating entity of the system:
the person who is responsible for the technical maintenance of this system
– Operator of the system:
the person who operates the system every day and has been suitably instructed

2.6 Definition of terms

Term:	Explanation:
System	The term is also used in these instructions as a synonym for the product. Door operators, revolving doors, sliding doors, etc. are referred to as a system. If information in these instructions refers to a specific type, this is shown accordingly in the text.
User	Users are all persons who use the system.
System operator	The respective owner is referred to as the system operator, regardless of whether they operate the system as the owner or pass it on to third parties.
Authorized representative	The authorized representative takes over certain parts of the manufacturer's obligations with regard to fulfilling the requirements of the Machinery Directive. In particular, the authorized representative may also place the system on the market and/or sign EC declarations of incorporation.
Qualified personnel	Qualified personnel are authorized and appropriately trained to perform the following work: – Disassembly, Assembly, Commissioning, Operation, Audit, Maintenance, Troubleshooting, Decommissioning The qualified personnel have several years of professional experience in the technical field, e.g. as mechanics or machine fitters. The qualified personnel are aware of the residual risks arising from the installation site and, due to their professional training, knowledge and experience, are able to carry out the work assigned to them and to independently identify and avoid possible danger points.
Manufacturer	The manufacturer is whoever designs and/or builds machinery or incomplete machinery under the scope of the Machinery Directive.
Life phases	All phases of the system's condition and use are referred to as life phases. This applies from the time the system leaves the factory until it is disposed of.
Personnel	All persons who carry out activities on and with the system are referred to as personnel. Personnel can be, for example, the operator, the cleaning staff, or the security staff. The personnel meet the personnel qualifications required by the manufacturer.
Service technician	Experts and specialists or representative authorized by the manufacturer to perform commissioning, maintenance and servicing.

3 Description

3.1 Connecting the Service Display

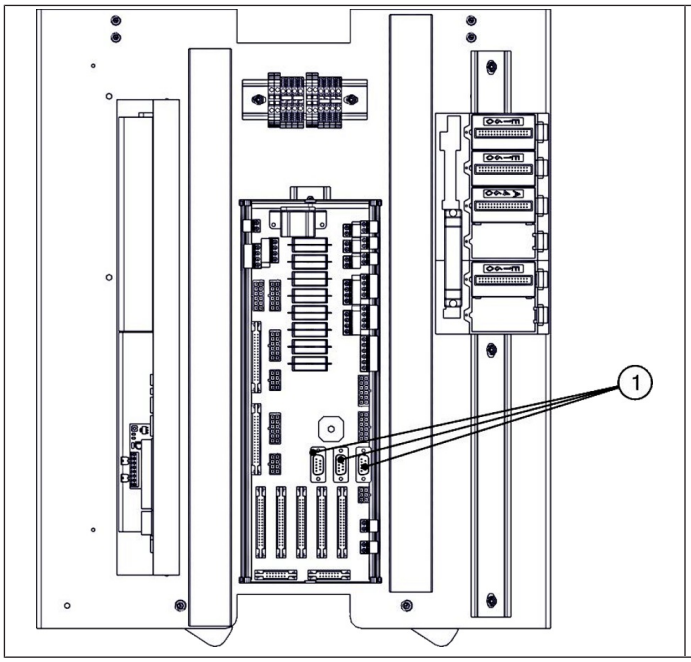
Connect the service display to one of the slots on the control board or in the door panel of the entrance or exit door (optional).

IMPORTANT

Make sure the "ON/OFF" switch is OFF before connecting or disconnecting the display to the slot.

CAUTION

Attention: If the display is switched on during connection / disconnection (switch on ON), this can lead to destruction of the control interface.

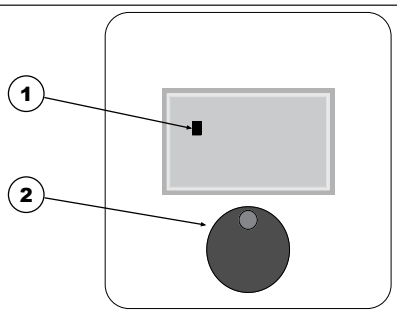


– Lower the inspection flap and connect the service display to the slots **(1)** on the motherboard.

3.2 Operating modes

3.2.1 General presentation

The service display shows the error messages and the configuration in detail. Access to the menus is via the rotary switch on the front of the service display as shown below:



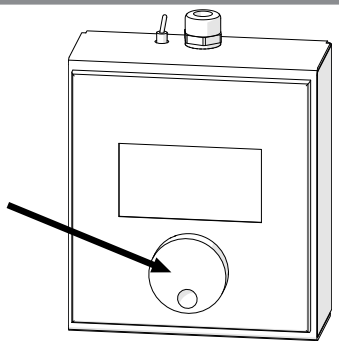
– The cursor **(1)** indicates your current position in the menu.
– Turn the Rotary encoder **(2)** to scroll through the menu.
– Briefly press the rotary switch **(2)** to confirm your selection.
– Press and hold the Rotary encoder **(2)** to return to the previous menu.

3.2.2 Commissioning the Service Display

NOTICE

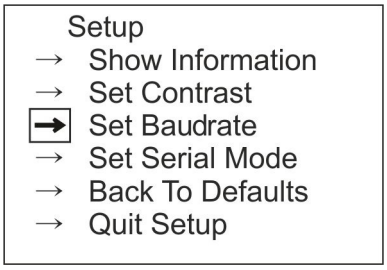
Before using the record Service Display, it has to be configured in order to communicate with the PLC (Programmable Logic Control).

Accessing the “SETUP” menu on the screen:

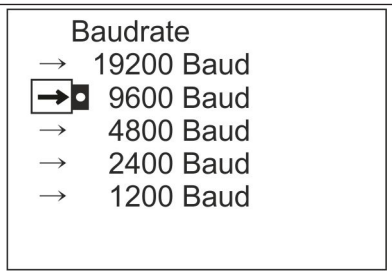


– Connect the plug while keeping the rotary dial pressed.

Setting the communication speed:

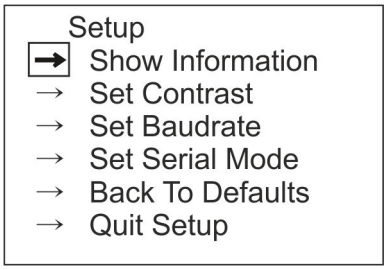


– Scroll down to “Set Baudrate” and confirm.

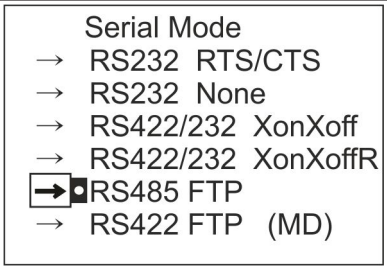


– Set to “9600” and confirm.
– Return to the previous menu.

Selecting the communication mode:

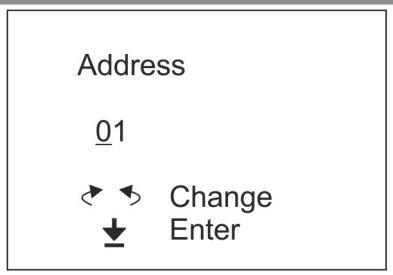


– Select “Set Serial Mode” and confirm.

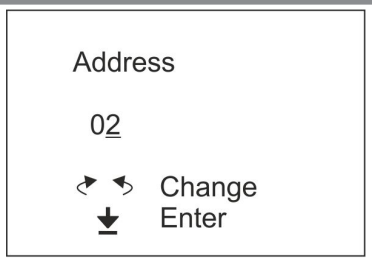


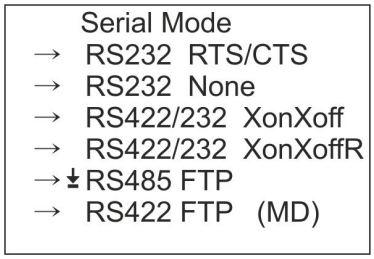
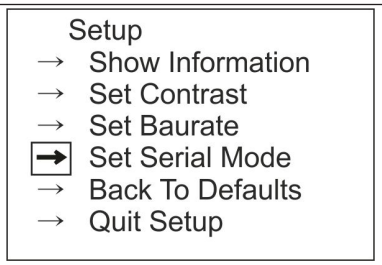
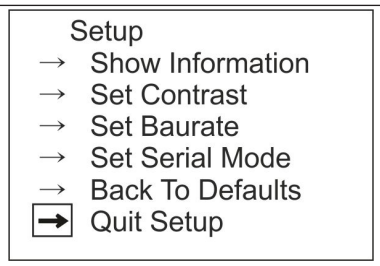
– Select “RS485 FTP” and confirm.

Choice of address:



– “01” to add local address and confirm.

Choice of address:	
	– “02” to add technician’s info and confirm.

Change the address screen:	
	– Return to the communication mode”.
	– Exit “Serial Mode” menu.
	– And exit the “Setup” menu.

3.2.3 Enter the access code

Access to the menu is protected by a code which restricts modification of the parameter settings to qualified and authorized personnel only.
No code is required to view the settings. Simply confirm to proceed to the next menu.

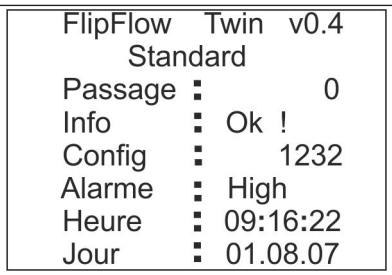
Contact your distribution partner to obtain your access code.

3.3 Parameter display

See also:

ServiceDisplay_v2_28_2_EN [▶ 15]

3.3.1 Page layout

	This page contains the following: – Current program details – Number of passages (number of passengers that have passed through the system) – An information message (current operating mode, maintenance required…., etc.) – Configuration details – Alarm details – System date and time

FlipFlow Menustructure

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PCD3.M3230

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MENU	CONFIG				Parameter-Value (**Defaultvalues** are bold)					
Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5
Doorsystem										
↳ PDoorType					**TWIN**	TRI	WIDE			
↳ PExtended					**OFF**	ON				
Parameters										
↳ Customer										
↳ Customer					**0 (Standard)**	1 (Schiphol)	2 (Toronto)	3 (ADP)	4 (USA)	5 (Nice)
↳ Door Operating										
↳ PReOpen					OFF	**ON**				
↳ TReOpen					**10**	*(ds)*				
↳ PBdeSType					**Bde1**	Bde2				
↳ Operating Modes										
↳ Locked Mode										
↳ PDetection					**OFF**	ON				
↳ Flow Mode										
↳ TClosIn	x	x	x		**5**	*(ds)*				
↳ TClosMid		x			**5**	*(ds)*				
↳ TClosOut	x	x			**5**	*(ds)*				
↳ Interlock Mode					*(don't care for Wide)*					
↳ TClosIn	x	x			**5**	*(ds)*				
↳ TClosMid		x			**5**	*(ds)*				
↳ TClosOut	x	x			**5**	*(ds)*				
↳ TWait					**4**	*(ds)*				
↳ PMaxPers.					**3**					
↳ PBlinkType					**0**	1	2	3		
↳ TBlink					**5**	*(ds)*				
↳ Automatic Mode					*(don't care for Wide)*					
↳ Pers.LimitHig					**650**	*(P/h)*				
↳ Pers.LimitLow					**450**	*(P/h)*				
↳ Pers.Count15s							*(read only)*			
↳ Pers./h						*(P/h)*	*(read only)*			
↳ Open Mode										
↳ PDetection					OFF	**ON**				
↳ Cleaning Mode										
↳ TRunTime					**10**	*(min.)*				
↳ TWarn					**100**	*(ds)*				
↳ PCleanArea					**Land**	Air				
↳ TEnterDelay					**20**	*(ds)*				
↳ Maintenance Mode										
↳ TBlink					**25**	*(ds)*				
↳ PMntArea					**Land**	Air				
↳ TEnterDelay					**20**	*(ds)*				
↳ Handicapped Mode					*(don't care for Wide)*					
↳ PTimeout					**OFF**	ON				
↳ TTimeout					**60**	*(s)*				
↳ TWarn					**50**	*(ds)*				
↳ Tailgating Mode					*(don't care for Twin and Triple)*					
↳ Pactive					**OFF**	ON				
↳ TElsAlarm					**20**	*(s)*				
↳ TSensorError					**100**	*(ds)*				
↳ TBootUp					**45**	*(s)*				
↳ Inputs										
↳ AuxIn_01	x	x			**0: Inactive**	1: Mode Locked	2: Mode Open	3: Mode Flow	4: Mode Interlock	
↳ AuxIn_11	x	x	x		**0: Inacitve**	1: Mode Maintenance	2: Handicapped Entry Badge	3: Handicapped Badge Tunnel	4: Handicapped Exit Badge	5: PassBack Cam Entry Door (only AuxIn_11)
↳ AuxIn_12	x	x								
↳ AuxIn_21	x	x			6: Tailgate Sensor	7: Mode Locked	8: Remote	9: Badge		

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MENU	**CONFIG**				Parameter-Value (**Defaultvalues** are bold)		
Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5
└▶ AuxIn_31		x			Sensor (only AuxIn_11)	7: Mode Locked	Control enable	9: Badge		
└▶ Alarming										
└▶ general										
└▶ TAlarmTech					**100**	*(ds)*				
└▶ PAutoReset					OFF	**ON**				
└▶ TAutoReset					**15**	*(ds)*				
└▶ TBuzzer					**15**	*(ds)*				
└▶ TClosIn					**0**	*(ds)*				
└▶ TClosMid					**0**	*(ds)*				
└▶ TClosOut					**0**	*(ds)*				
└▶ TBlinkTech					**1**	*(ds)*				
└▶ PFlashIn					0	1	**2**			
└▶ PFlashOut					0	1	**2**			
└▶ TFlashIn					**0**	*(s)*				
└▶ TFlashOut					**0**	*(s)*				
└▶ pass back										
└▶ PCloseIn					VRR	**NSK**				
└▶ TPreAlarm					**1**	*(ds)*				
└▶ TPreAlarmOnDelay					**20**	*(ds)*				
└▶ PTwoTrigger					**OFF**	ON				
└▶ Treset					**40**	*(s)*				
└▶ sensors tunnel					*(don't care for Wide)*					
└▶ TFloorFlow					**75**	*(ds)*				
└▶ TFloorInt.					**120**	*(ds)*				
└▶ TVolumetric					**100**	*(ds)*				
└▶ TCeiling					**50**	*(ds)*				
└▶ TWall					**50**	*(ds)*				
└▶ sensors extended										
└▶ TPrFloor					**100**	*(ds)*				
└▶ sensors pass back										
└▶ TPrPreAlarm					**100**	*(ds)*				
└▶ entrance door										
└▶ TDistOpen					**100**	*(ds)*				
└▶ TWingClose					**5**	*(ds)*				
└▶ TElsClose					**100**	*(ds)*				
└▶ TWrongPos					**100**	*(ds)*				
└▶ middle door					*(don't care for Twin and Wide)*					
└▶ TDistOpen					**100**	*(ds)*				
└▶ TWingClose					**5**	*(ds)*				
└▶ TElsClose					**100**	*(ds)*				
└▶ TWrongPos					**100**	*(ds)*				
└▶ exit door					*(don't care for Wide)*					
└▶ TDistOpen					**100**	*(ds)*				
└▶ TWingClose					**5**	*(ds)*				
└▶ TElsClose					**100**	*(ds)*				
└▶ TWrongPos					**100**	*(ds)*				
└▶ extended gate										
└▶ TWrongPos					**100**	*(ds)*				
└▶ Light					*(don't care for Wide)*					
└▶ PPowerSave					OFF	**ON**				
└▶ TPowerSave					**45**	*(min.)*				
└▶ Speech Output										
└▶ TBetweenMsg					**5**	*(min.)*				
└▶ Pconfig					All	**One**				
└▶ BMS Contacts										
└▶ Info										

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PCD3.M3230

≥ V2.28.2

MENU	CONFIG				Parameter-Value (**Defaultvalues** are bold)					
Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5
└▶ ConfigNr							*(read only)*			
└▶ contacts 1-8										
└▶ PInLocked					**OFF**	ON				
└▶ PLogic1-01					**OFF**	ON				
└▶ PLogic1-02					**OFF**	ON				
└▶ PLogic1-03					**OFF**	ON				
└▶ PLogic1-04					**OFF**	ON				
└▶ PLogic1-05					**OFF**	ON				
└▶ PLogic1-06					**OFF**	ON				
└▶ PLogic1-07					**OFF**	ON				
└▶ PLogic1-08					**OFF**	ON				
└▶ contacts 9-16					*(don't care if Extended)*					
└▶ POutLocked					**OFF**	ON				
└▶ PLogic2-01					**OFF**	ON				
└▶ PLogic2-02					**OFF**	ON				
└▶ PLogic2-03					**OFF**	ON				
└▶ PLogic2-04					**OFF**	ON				
└▶ PLogic2-05					**OFF**	ON				
└▶ PLogic2-06					**OFF**	ON				
└▶ PLogic2-07					**OFF**	ON				
└▶ PLogic2-08					**OFF**	ON				
Functions										
└▶ Default settings										
└▶ Load					**OFF**	ON				
└▶ Factory settings										
└▶ Load					**OFF**	ON				
└▶ Learning Ext. Gate					*(don't care if not Extended)*					
└▶ Positioning					**OFF**	ON				
└▶ Learn					**OFF**	ON				
Diagnostics										
└▶ Status										
└▶ Sensors										
└▶ tunnel 1					*(don't care for Wide)*					
└▶ PrFloor					OFF	ON	*(read only)*			
└▶ PrElsFloor					OFF	ON	*(read only)*			
└▶ PrCeiling					OFF	ON	*(read only)*			
└▶ PrElsCeiling					OFF	ON	*(read only)*			
└▶ PrVolumetric					OFF	ON	*(read only)*			
└▶ PrWallLeft					OFF	ON	*(read only)*			
└▶ PrWallRight					OFF	ON	*(read only)*			
└▶ CamGo1					OFF	ON	*(read only)*			
└▶ CamGo2					OFF	ON	*(read only)*			
└▶ ServiceTrap					OFF	ON	*(read only)*			
└▶ tunnel 2					*(don't care for Twin and Wide)*					
└▶ PrFloor2					OFF	ON	*(read only)*			
└▶ PrElsFloor2					OFF	ON	*(read only)*			
└▶ PrCeiling2					OFF	ON	*(read only)*			
└▶ PrElsCeiling2					OFF	ON	*(read only)*			
└▶ PrVolumetric2					OFF	ON	*(read only)*			
└▶ PrWallLeft2					OFF	ON	*(read only)*			
└▶ PrWallRight2					OFF	ON	*(read only)*			
└▶ CamGoTri1					OFF	ON	*(read only)*			
└▶ CamGoTri2					OFF	ON	*(read only)*			
└▶ CamGoTri3					OFF	ON	*(read only)*			
└▶ CamGoTri4					OFF	ON	*(read only)*			
└▶ ServiceTrap2					OFF	ON	*(read only)*			
└▶ Extended Gate					*(don't care if not Extended)*					

FlipFlow Menustructure

PCD3.M3330 / PCD3.T665
PCD3.M3230

≥ V2.28.2

MENU	CONFIG				Parameter-Value (**Defaultvalues** are bold)					
Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5
└▶ Gate1Open					OFF	ON	*(read only)*			
└▶ Gate1Closed					OFF	ON	*(read only)*			
└▶ Gate1Error					OFF	ON	*(read only)*			
└▶ Gate2Open					OFF	ON	*(read only)*			
└▶ Gate2Closed					OFF	ON	*(read only)*			
└▶ Gate2Error					OFF	ON	*(read only)*			
└▶ Software Inputs										
└▶ SwMaintenance					OFF	ON	*(read only)*			
└▶ Handicapped BadgeIn					OFF	ON	*(read only)*			
└▶ Handicapped BadgeTun					OFF	ON	*(read only)*			
└▶ Handicapped BadgeOut					OFF	ON	*(read only)*			
└▶ CamGo DoorIn					OFF	ON	*(read only)*			
└▶ Tailgate Sensor					OFF	ON	*(read only)*			
└▶ Mode Locked					OFF	ON	*(read only)*			
└▶ Mode Open					OFF	ON	*(read only)*			
└▶ Mode Flow					OFF	ON	*(read only)*			
└▶ Mode Interlock					OFF	ON	*(read only)*			
└▶ Counter										
└▶ user										
└▶ Passenger						*(Integer)*	*(read only)*			
└▶ Reset					**OFF**	ON				
└▶ cycle										
└▶ entrance door										
└▶ Door						*(Integer)*	*(read only)*			
└▶ Locking						*(Integer)*	*(read only)*			
└▶ Reset					**OFF**	ON				
└▶ middle door					*(don't care for Twin and Wide)*					
└▶ Door						*(Integer)*	*(read only)*			
└▶ Locking						*(Integer)*	*(read only)*			
└▶ Reset					**OFF**	ON				
└▶ exit door					*(don't care for Wide)*					
└▶ Door						*(Integer)*	*(read only)*			
└▶ Locking						*(Integer)*	*(read only)*			
└▶ Reset					**OFF**	ON				
└▶ cycle extended gate					*(don't care if not Extended)*					
└▶ WingLeft						*(Integer)*	*(read only)*			
└▶ WingRight						*(Integer)*	*(read only)*			
└▶ Reset					**OFF**	ON				
└▶ alarme										
└▶ Tech.Alarm						*(Integer)*	*(read only)*			
└▶ FlowAlarm						*(Integer)*	*(read only)*			
└▶ WrongWay						*(Integer)*	*(read only)*			
└▶ Intrusion						*(Integer)*	*(read only)*			
└▶ Tailgating						*(Integer)*	*(read only)*			
└▶ Reset					**OFF**	ON				
└▶ operating time										
└▶ Light						*(h)*	*(read only)*			
└▶ Reset					**OFF**	ON				
└▶ Alarm List										
└▶ *Alarms Buffer*					*(see alarm listing)*					
└▶ In-/Outputs										
└▶ Inputs 0..15										
└▶ PrElsIn	x	x	x		OFF	ON	*(read only)*			
└▶ PrElsOut	x				OFF	ON	*(read only)*			
└▶ PrElsMid		x			OFF	ON	*(read only)*			
└▶ Reserve			x		OFF	ON	*(read only)*			
└▶ DoorOutOpen	x				OFF	ON	*(read only)*			

FlipFlow Menustructure							PCD3.M3330 / PCD3.T665 PCD3.M3230					≥ V2.28.2
MENU		**CONFIG**				Parameter-Value (**Defaultvalues** are bold)						
	Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5	
└▶	DoorMidOpen		x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	DoorOutClosed	x				OFF	ON	*(read only)*				
└▶	DoorMidClosed		x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	RadarIn	x	x	x		OFF	ON	*(read only)*				
└▶	RadarOut	x				OFF	ON	*(read only)*				
└▶	RadarMid		x			OFF	ON	(read only)				
└▶	Reserve			x		OFF	ON	(read only)				
└▶	DoorInOpen	x	x	x		OFF	ON	*(read only)*				
└▶	DoorInClosed	x	x	x		OFF	ON	*(read only)*				
└▶	PrWingIn	x	x	x		OFF	ON	*(read only)*				
└▶	PrWingOut	x				OFF	ON	*(read only)*				
└▶	PrWingMid		x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	DoorInLocked	x	x	x		OFF	ON	*(read only)*				
└▶	DoorOutLocked	x				OFF	ON	*(read only)*				
└▶	DoorMidLocked		x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	AlarmStgIn	x	x	x		OFF	ON	*(read only)*				
└▶	AlarmStgOut	x				OFF	ON	*(read only)*				
└▶	AlarmStgMid		x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	BDE-S 3	x	x	x		OFF	ON	*(read only)*				
└▶	Aux11	x	x	x		OFF	ON	*(read only)*				
└▶	Inputs 16..31											
└▶	CamGo1	x	x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	CamGo2	x	x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	AC PowerFail	x	x	x		OFF	ON	*(read only)*				
└▶	BDE-S 1	x	x	x		OFF	ON	*(read only)*				
└▶	BDE-S 2	x	x	x		OFF	ON	*(read only)*				
└▶	SwNoAlarm	x	x	x		OFF	ON	*(read only)*				
└▶	SwCleaning	x	x	x		OFF	ON	*(read only)*				
└▶	PrFloor	x	x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	PrVolumetric	x	x			OFF	ON	*(read only)*				
└▶	RadPreAlarm			x		OFF	ON	*(read only)*				
└▶	SwEmergExit	x	x	x		OFF	ON	*(read only)*				
└▶	RadPreAlarm	x	x			OFF	ON	*(read only)*				
└▶	Reserve			x		OFF	ON	*(read only)*				
└▶	EmergClosing	x	x	x		OFF	ON	*(read only)*				
└▶	TotalOpening	x	x	x		OFF	ON	*(read only)*				
└▶	Aux01	x	x			OFF	ON	*(read only)*				
└▶	PrPreAlarm			x		OFF	ON	*(read only)*				
└▶	ServiceTrap	x	x	x		OFF	ON	*(read only)*				
└▶	Reserve	x	x	x		OFF	ON	*(read only)*				
└▶	Outputs 32..47											
└▶	StgInSURV	x	x	x		OFF	ON	*(read only)*				
└▶	StgInSSK	x	x	x		OFF	ON	*(read only)*				
└▶	StgInNSK	x	x	x		OFF	ON	*(read only)*				
└▶	StgOutSURV	x				OFF	ON	*(read only)*				
	StgMidSURV		x			OFF	ON	*(read only)*				
	Reserve			x		OFF	ON	*(read only)*				
└▶	StgOutSSK	x				OFF	ON	*(read only)*				
	StgMidSSK		x			OFF	ON	*(read only)*				

FlipFlow Menustructure	PCD3.M3330 / PCD3.T665 PCD3.M3230	≥ V2.28.2

MENU	CONFIG				Parameter-Value (**Defaultvalues** are bold)					
Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5
Reserve			x		OFF	ON	*(read only)*			
└▶ StgOutSOK	x				OFF	ON	*(read only)*			
StgMidSOK		x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ LedGreenIn	x	x	x		OFF	ON	*(read only)*			
└▶ LedRedIn	x	x	x		OFF	ON	*(read only)*			
└▶ Buzzer	x	x	x		OFF	ON	*(read only)*			
└▶ Light	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ LedGreenOut	x				OFF	ON	*(read only)*			
LedGreenMid		x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ LedRedOut	x				OFF	ON	*(read only)*			
LedRedMid		x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ FlashIn	x	x	x		OFF	ON	*(read only)*			
└▶ PictogramIn	x	x	x		OFF	ON	*(read only)*			
└▶ FlashOut	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ PictogramOut	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ Outputs 48..63										
└▶ BMS1-01	x	x	x		OFF	ON	*(read only)*			
└▶ BMS1-02	x	x	x		OFF	ON	*(read only)*			
└▶ BMS1-03	x	x	x		OFF	ON	*(read only)*			
└▶ BMS1-04	x	x	x		OFF	ON	*(read only)*			
└▶ BMS1-05	x	x	x		OFF	ON	*(read only)*			
└▶ BMS1-06	x	x	x		OFF	ON	*(read only)*			
└▶ BMS1-07	x	x	x		OFF	ON	*(read only)*			
└▶ BMS1-08	x	x	x		OFF	ON	*(read only)*			
└▶ BMS2-01	x	x	x		OFF	ON	*(read only)*			
Ext.GateLeft IN1	x	x	x	x	OFF	ON	*(read only)*			
└▶ BMS2-02	x	x	x		OFF	ON	*(read only)*			
Ext.GateLeft IN2	x	x	x	x	OFF	ON	*(read only)*			
└▶ BMS2-03	x	x	x		OFF	ON	*(read only)*			
Reserve	x	x	x	x	OFF	ON	*(read only)*			
└▶ BMS2-04	x	x	x		OFF	ON	*(read only)*			
Ext.GateLeft IN4	x	x	x	x	OFF	ON	*(read only)*			
└▶ BMS2-05	x	x	x		OFF	ON	*(read only)*			
Ext.GateRight IN1	x	x	x	x	OFF	ON	*(read only)*			
└▶ BMS2-06	x	x	x		OFF	ON	*(read only)*			
Ext.GateRight IN2	x	x	x	x	OFF	ON	*(read only)*			
└▶ BMS2-07	x	x	x		OFF	ON	*(read only)*			
Reserve	x	x	x	x	OFF	ON	*(read only)*			
└▶ BMS2-08	x	x	x		OFF	ON	*(read only)*			
Ext.GateRight IN4	x	x	x	x	OFF	ON	*(read only)*			
└▶ Inputs 64..79										
└▶ PrWallLeft	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ PrWallRight	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ PrCeiling	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ PrElsFloor	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			
└▶ PrElsCeiling	x	x			OFF	ON	*(read only)*			
Reserve			x		OFF	ON	*(read only)*			

FlipFlow Menustructure							PCD3.M3330 / PCD3.T665 PCD3.M3230					≥ V2.28.2
MENU	**CONFIG**				Parameter-Value (**Defaultvalues** are bold)							
Description	TWIN	TRIPLE	WIDE	EXTENDED	0		1	2	3	4	5	
└▶ Reserve	x	x	x		OFF		ON	*(read only)*				
Ext.Gate1Out1	x	x	x	x	OFF		ON	*(read only)*				
└▶ Reserve	x	x	x		OFF		ON	*(read only)*				
Ext.Gate1Out2	x	x	x	x	OFF		ON	*(read only)*				
└▶ Voice3Busy	x	x			OFF		ON	*(read only)*				
Reserve			x		OFF		ON	*(read only)*				
└▶ Aux21	x	x			OFF		ON	*(read only)*				
Reserve			x		OFF		ON	*(read only)*				
└▶ Voice1Busy	x	x			OFF		ON	*(read only)*				
Reserve			x		OFF		ON	*(read only)*				
PrFloorExtended			x	x	OFF		ON	*(read only)*				
└▶ Voice2Busy	x	x			OFF		ON	*(read only)*				
PrPreAlarm			x		OFF		ON	*(read only)*				
└▶ Reserve	x	x	x		OFF		ON	*(read only)*				
PrFloorExt.	x	x		x	OFF		ON	*(read only)*				
└▶ PrPreAlarm	x	x			OFF		ON	*(read only)*				
Reserve			x		OFF		ON	*(read only)*				
└▶ Aux12	x	x			OFF		ON	*(read only)*				
RadarPreAlarm			x		OFF		ON	*(read only)*				
└▶ Reserve	x	x			OFF		ON	*(read only)*				
PrElsWideMid			x		OFF		ON	*(read only)*				
Ext.Gate2Out1	x	x	x	x	OFF		ON	*(read only)*				
└▶ Reserve	x	x			OFF		ON	*(read only)*				
PrElsWideIn			x		OFF		ON	*(read only)*				
Ext.Gate2Out2	x	x	x	x	OFF		ON	*(read only)*				
└▶ Inputs 80..95												
└▶ Voice1In1	x	x	x		OFF		ON	*(read only)*				
└▶ Voice1In2	x	x	x		OFF		ON	*(read only)*				
└▶ Voice1In3	x	x	x		OFF		ON	*(read only)*				
└▶ Voice1In4	x	x	x		OFF		ON	*(read only)*				
└▶ Voice1Start	x	x	x		OFF		ON	*(read only)*				
└▶ Voice2In1	x	x	x		OFF		ON	*(read only)*				
└▶ Voice2In2	x	x	x		OFF		ON	*(read only)*				
└▶ Voice2In3	x	x	x		OFF		ON	*(read only)*				
└▶ Voice2In4	x	x	x		OFF		ON	*(read only)*				
└▶ Voice2Start	x	x	x		OFF		ON	*(read only)*				
└▶ Voice3In1	x	x	x		OFF		ON	*(read only)*				
└▶ Voice3In2	x	x	x		OFF		ON	*(read only)*				
└▶ Voice3In3	x	x	x		OFF		ON	*(read only)*				
└▶ Voice3In4	x	x	x		OFF		ON	*(read only)*				
└▶ Voice3Start	x	x	x		OFF		ON	*(read only)*				
└▶ Reserve	x	x	x		OFF		ON	*(read only)*				
└▶ In-/Outputs Triple												
└▶ Inputs 0..15												
└▶ Reserve		x			OFF		ON	*(read only)*				
└▶ PrElsOut		x			OFF		ON	*(read only)*				
└▶ DoorOutOpen		x			OFF		ON	*(read only)*				
└▶ DoorOutClosed		x			OFF		ON	*(read only)*				
└▶ Reserve		x			OFF		ON	*(read only)*				
└▶ RadarOut		x			OFF		ON	*(read only)*				
└▶ Reserve		x			OFF		ON	*(read only)*				
└▶ Reserve		x			OFF		ON	*(read only)*				
└▶ Reserve		x			OFF		ON	*(read only)*				
└▶ PrWingOut		x			OFF		ON	*(read only)*				
└▶ Reserve		x			OFF		ON	*(read only)*				
└▶ DoorOutLocked		x			OFF		ON	*(read only)*				
└▶ Reserve		x			OFF		ON	*(read only)*				

FlipFlow Menustructure	PCD3.M3330 / PCD3.T665 PCD3.M3230	≥ V2.28.2

MENU	CONFIG				Parameter-Value (**Defaultvalues** are bold)					
Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5
└▶ AlarmStgOut		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Inputs 16..31										
└▶ CamGoTri1		x			OFF	ON	*(read only)*			
└▶ CamGoTri2		x			OFF	ON	*(read only)*			
└▶ AC PowerFail2		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ PrFloor2		x			OFF	ON	*(read only)*			
└▶ PrVolumetric2		x			OFF	ON	*(read only)*			
└▶ SwErmegExit2		x			OFF	ON	*(read only)*			
└▶ RadPreAlarm2		x			OFF	ON	*(read only)*			
└▶ ErmergClosing2		x			OFF	ON	*(read only)*			
└▶ TotalOpening2		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ ServiceTrap2		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Outputs 32..47										
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ StgOutSURV		x			OFF	ON	*(read only)*			
└▶ StgOutSSK		x			OFF	ON	*(read only)*			
└▶ StgOutSOK		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Buzzer2		x			OFF	ON	*(read only)*			
└▶ Light2		x			OFF	ON	*(read only)*			
└▶ LedGreenOut		x			OFF	ON	*(read only)*			
└▶ LedRedOut		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ FlashOut		x			OFF	ON	*(read only)*			
└▶ PictogramOut		x			OFF	ON	*(read only)*			
└▶ Inputs 64..79										
└▶ PrWallLeft2		x			OFF	ON	*(read only)*			
└▶ PrWallRight2		x			OFF	ON	*(read only)*			
└▶ PrCeiling2		x			OFF	ON	*(read only)*			
└▶ PrElsFloor2		x			OFF	ON	*(read only)*			
└▶ PrElsCeiling2		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Aux31		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
PrFloorExtended		x		x	OFF	ON	*(read only)*			
└▶ PrPreAlarm2		x			OFF	ON	*(read only)*			
└▶ Reserve		x			OFF	ON	*(read only)*			
└▶ CamGoTri3		x			OFF	ON	*(read only)*			
└▶ CamGoTri4		x			OFF	ON	*(read only)*			
Settings										
└▶ language										

FlipFlow Menustructure	PCD3.M3330 / PCD3.T665 PCD3.M3230	≥ V2.28.2

MENU	CONFIG				Parameter-Value (**Defaultvalues** are bold)					
Description	TWIN	TRIPLE	WIDE	EXTENDED	0	1	2	3	4	5
└▶ Language					**EN**	DE	FR			
└▶ date and time										
└▶ Get settings					**OFF**	ON				
└▶ Save Settings					**OFF**	ON				
└▶ Hour					**0 .. 23**	*(Integer)*				
└▶ Minute					**0 .. 59**	*(Integer)*				
└▶ Day					**1 .. 31**	*(Integer)*				
└▶ Month					**1 .. 12**	*(Integer)*				
└▶ Year					**2014 ... 2099**	*(Integer)*				
└▶ TCP/IP										
└▶ Get settings					**OFF**	ON				
└▶ Save Settings					**OFF**	ON				
└▶ IP1					**10**	*(Integer)*				
└▶ IP2					**17**	*(Integer)*				
└▶ IP3					**10**	*(Integer)*				
└▶ IP4					**1**	*(Integer)*				
└▶ Subnet1					**255**	*(Integer)*				
└▶ Subnet2					**255**	*(Integer)*				
└▶ Subnet3					**255**	*(Integer)*				
└▶ Subnet4					**0**	*(Integer)*				
└▶ Gateway1					**0**	*(Integer)*				
└▶ Gateway2					**0**	*(Integer)*				
└▶ Gateway3					**0**	*(Integer)*				
└▶ Gateway4					**0**	*(Integer)*				
Record Menu										
└▶ sys parameters										
└▶ PStgType					**ST20**	ST16				
└▶ PPlcSlot5					**OFF**	ON				
└▶ PExtendedVersion					V1.0	**V2.0**				
└▶ sys timer										
└▶ TSignal					**10**	*(ds)*				
└▶ TPassBackDecision					**20**	*(ds)*				

3.3.3 Description of the parameters

MENU	CONFIG.				Parameter Value (Default values are bold)					
Description	TW	TR	WI	EX	0	1	2	3	4	5
DOOR SYSTEM										
→ PDoorType					**TWIN**	Select door type: TWIN / TRI / WIDE				
→ PExtended					**OFF**	ON: with extended gate OFF: without extended gate				
PARAMETERS					**W**	**COMMENT**				
→ CUSTOMER										
→ Customer					**0**	Select customer: 0 = Standard 1 = Schiphol Airport 2 = Toronto Airport 3 = ADP 4 = USA 5 = Nice				
→ DOOR OPERATING										
→ PReOpen					**ON**	ON: door opens and reverses in the standard operating mode when an opening impulse is detected by the radar. OFF: door closes completely first and then can open again once an opening impulse is detected by the radar.				
→ TReOpen					**10** (ds)	There is a delay time when PReOpen in on OFF and the door is closed before a new door opening is performed.				
→ PBdeSType					**Bde1**	Bde1 = Locked – Open- Flow – Interlock - Automatic Bde2 = Locked – Flow – Automatic – Interlock – Maintenance *BDE-S Type is only used for FlipFlow TWIN				
→ OPERATING MODES										
→ LOCKED mode										
→ PDetection					**OFF**	Protection against confinement in the LOCKED operating mode. ON: detection in the tunnel opens the exit door. OFF: tunnel closes and locks (danger of confinement).				
→ FLOW mode										
→ TClosIn	**x**	**x**	**x**		**5** (ds)	Hold open time entrance door				
→ TClosMid		**x**			**5** (ds)	Hold open time middle door				
→ TClosOut	**x**	**x**			**5** (ds)	Hold open time exit door				

→ INTERLOCK mode *(not applicable for WIDE)*							
	→ TClosIn	**x**	**x**			**5** (ds)	Hold open time entrance door
	→ TClosMid		**x**			**5** (ds)	Hold open time middle door
	→ TClosOut	**x**	**x**			**5** (ds)	Hold open time exit door
	→ TWait					**4** (ds)	Delay time for opening the middle and exit door – after the entrance door is closed.
	→ PMaxPers					**3**	Number of passengers allowed to enter before the entrance door closes.
	→ PBlinkType					**0**	Adjusting the traffic lights in the INTERLOCK mode: 0 = Green on and red blinking 1 = Red on green blinking 2 = Green and red blink alternatively 3 = Green blinking
	→ TBlink					**5** (ds)	Blinking speed of the traffic lights
→ AUTOMATIC mode *(not applicable for WIDE)*							
	→ Pers.LimitHig					**650** (P/h)	When the limit is reached, the system switches to FLOW mode.
	→ Pers.LimitLow					**450** (P/h)	If the number of passengers is low, the system switches to INTERLOCK mode.
	→ Pers.Count15s						(read only) Number of passengers every 15 seconds.
	→ Pers./h					(P/h)	(read only) Number of passengers per hour.
→ OPEN mode							
	→ PDetection					**ON**	ON: Tunnel monitoring and pass back flow recognition. OFF: Tunnel clear in both directions of passage.
→ CLEANING mode							
	→ TRunTime					**10** (min)	Duration of time after the operating mode has automatically ended.
	→ TWarn					**100** (ds)	Warning interval after the duration of time signaling the tunnel should be cleared has expired.
	→ PCleanArea					**Land**	Set from which area (Land / Air) the tunnel can be entered.
	→ TEnterDelay					**20** (ds)	Delay time before the operating mode starts once the tunnel is empty.
→ MAINTENANCE mode							
	→ TBlink					**25** (ds)	Blinking speed of the traffic lights.
	→ PMntArea					**Land**	Set from which are (Land- / Air) the tunnel can be entered.
	→ TEnterDelay					**20** (ds)	Delay time before the operating mode starts once the tunnel is empty.
→ HANDICAPPED mode *(not applicable for WIDE)*							
	→ PTimeout					**OFF**	ON: monitoring time enabled. OFF: monitoring time disabled.
	→ TTimeout					**60** (s)	Duration of time after the operating mode has automatically ended.
	→ TWarn					**50** (ds)	Warning interval after the duration of time signaling the tunnel should be cleared has expired.

→ TAILGATING mode *(not applicable for TWIN or TRIPLE)*							
	→ Pactive					**OFF**	ON: Flow mode changes to Tailgating mode. OFF: Standard WIDE with Flow mode
	→ TElsAlarm					**20** (s)	Maximum delay after activating the light beam counter and receiving the result of the tailgating sensor.
	→ TSensorError					**100** (ds)	Alarm delay, no sensor response
	→ TBootUp					**45** (s)	Alarm delay, sensor not initialized.
→ INPUTS							
	→ AuxIn_01	**x**	**x**			**0**	Aux Entrance 01 0 = Inactive 1 = Locked mode 2 = Open mode 3 = Flow mode 4 = Interlock mode
	→ AuxIn_11	**x**	**x**	**x**		**0**	Aux Entrance 11
	→ AuxIn_12	**x**	**x**			**0**	Aux Entrance 12
	→ AuxIn_21	**x**	**x**			**0**	Aux Entrance 21
	→ AuxIn_31		**x**			**0**	Aux Entrance 31
						0	Settings for the programmable inputs: **0** = Inactive **1** = Maintenance mode (enable / disable maintenance mode) **2** = Handicapped Entry Badge (enable the HANDICAPPED mode, open entrance and middle door) **3** = Handicapped Badge Tunnel (when HANDICAPPED mode is enabled, the entrance door closes and the exit door opens) **4** = Handicapped Exit Badge (in HANDICAPPED mode, all doors closed, the operating mode switches to the preset mode) **5** = PassBack Cam Entry Door (pass back sensors on the entrance door, for “Breach” alarm (only AuxIn_11) **6** = Tailgate sensor (only for WIDE) only AuxIn_11 **7** = Locked mode **8** = Remote control enable **9** = Badge

→ ALARMING							
	→ General						
		→TAlarmTech					**100** (ds)	Delay time before triggering the technical alarm.
		→PAutoReset					**ON**	Auto reset after resetting the back-up alarm or technical alarm.
		→TAutoReset					**15** (ds)	Delay time before triggering the auto reset.
		→TBuzzer					**15** (ds)	Buzzer interval.
		→TClosIn					**0** (ds)	Hold open time entrance door.
		→TClosMid					**0** (ds)	Hold open time middle door.
		→TClosOut					**0** (ds)	Hold open time exit door.
		→TBlinkTech					**1** (ds)	Blinking speed of the traffic lights.
		→ PFlashIn					**2**	Controlling the flashing lights entrance door. 0 = Technical alarm 1 = Intrusion alarm 2 = Alarm due to wrong direction
		→ PFlashOut					**2**	Controlling the flashing light exit door. 0 = Technical alarm 1 = Intrusion alarm 2 = Alarm due to wrong direction
		→ TFlashIn					**0** (s)	Duration of the signal output with enabled alarm 0 = Duration deactivated -> control permanent
		→ TFlashOut					**0** (s)	Duration of the signal output with enabled alarm 0 = Duration deactivated -> control permanent
	→ Pass back							
		→ PCloseIn					**NSK**	Closing reaction of the entrance door. VRR: close and lock. NSK: emergency closing (without safety sensors)
		→ TPreAlarm					**1** (ds)	Delay before the pre-alarm is activated.
		→ TPreAlarm OnDelay					**20** (ds)	Delay time until the pre-alarm is reactivated. Detection after the closing process.
		→ PTwoTrigger					**OFF**	ON: before activating pass back alarm – two pass back indicators are required OFF: one pass back signal triggers an alarm
		→ Treset					**40** (s)	Delay before resetting pass back trigger counting
	→ Sensors tunnel *(not applicable for WIDE)*							
		→ TFloorFlow					**75** (ds)	Alarm delay when detecting an object on the floor.
		→ TFloorInt					**120** (ds)	Alarm delay when detecting an object in the INTERLOCK operating mode.
		→ TVolumetric					**100** (ds)	Alarm delay when detecting an object volumetric in the tunnel.
		→ TCeiling					**50** (ds)	Alarm delay when detecting an object on the ceiling.
		→ TWall					**50** (ds)	Alarm delay when detecting an object on the side walls.
	→ Sensors extended							
		→ TPrFloor					**100** (ds)	Alarm delay when detecting an object on the floor.

→ Sensors pass back								
	→ TPrPreAlarm					**100** (ds)	Alarm delay when detecting an object in the pre-alarm area.

→ Entrance door								
	→ TDistOpen					**100** (ds)	Alarm delay, door is open and the sensor in the swing area or counter light barrier has been triggered.
	→ TWingClose					**5** (ds)	Alarm delay, door is closed and the sensor in the swing area has been triggered.
	→ TElsClose					**100** (ds)	Alarm delay, door is closed and the counter light barrier has been triggered.
	→ TWrongPos					**100** (ds)	Alarm delay, door will not open or close.

→ Middle door *(not applicable for Twin and Wide)*								
	→ TDistOpen					**100** (ds)	Alarm delay, door is open and the sensor in the swing area or counter light barrier has been triggered.
	→ TWingClose					**5** (ds)	Alarm delay, door is closed and the sensor in the swing area has been triggered.
	→ TElsClose					**100** (ds)	Alarm delay, door is closed and the counter light barrier has been triggered.
	→ TWrongPos					**100** (ds)	Alarm delay, door will not open or close.

→ Exit door *(not applicable for Wide)*								
	→ TDistOpen					**100** (ds)	Alarm delay, door is open and the sensor in the swing area or counter light barrier has been triggered.
	→ TWingClose					**5** (ds)	Alarm delay, door is closed and the sensor in the swing area has been triggered.
	→ TElsClose					**100** (ds)	Alarm delay, door is closed and the counter light barrier has been triggered.
	→ TWrongPos					**100** (ds)	Alarm delay, door will not open or close.

→ Extended gate								
	→ TWrongPos					**100** (ds)	Alarm delay, door will not open or close.

→ LIGHT *(not applicable for Wide)*								
	→ PPowerSave					**ON**	Energy saving mode
	→ TPowerSave					**45** (min)	Duration of time until the light goes off when the door is not being used.

→ SPEECH OUTPUT								
	→ TBetweenMsg					**5** (min)	Duration of time between messages.
	→ Pconfig					**One**	One: only one voice card is used All: all voice cards are activated.

→ BMS CONTACTS								
	→ Info							
		→ ConfigNo						(read only) dependent on the configuration.

→ Contacts 1-8							
	→ PInLocked					**OFF**	Status message entrance door. ON: closed and locked. OFF: closed.
	→ PLogic1-01					**OFF**	Output logic ON: enabled when message is inactive. OFF: enabled when message is active.
	→ PLogic1-02					**OFF**	
	→ PLogic1-03					**OFF**	
	→ PLogic1-04					**OFF**	
	→ PLogic1-05					**OFF**	
	→ PLogic1-06					**OFF**	
	→ PLogic1-07					**OFF**	
	→ PLogic1-08					**OFF**	

→ Contacts 9-16 *(not applicable for Extended)*							
	→ PLogic2-01					**OFF**	Output logic ON: enabled when message is inactive. OFF: enabled when message is active.
	→ PLogic2-02					**OFF**	
	→ PLogic2-03					**OFF**	
	→ PLogic2-04					**OFF**	
	→ PLogic2-05					**OFF**	
	→ PLogic2-06					**OFF**	
	→ PLogic2-07					**OFF**	
	→ PLogic2-08					**OFF**	

FUNCTIONS							
→ Default settings							
	→ Load					**OFF**	Set all parameters back to default settings.
→ Factory settings							
	→ Load					**OFF**	Set all parameters back to factory settings.
→ Learning Ext. Gate *(applies only to Extended)*							
	→ Positioning					**OFF**	Disable the drives to allow the usual positioning to the closed position.
	→ Learn					**OFF**	Start learning cycle.

DIAGNOSTICS							
→ Status							
	→ Sensors						
	→ Tunnel 1 *(not applicable for WIDE)*						
	→ PrFloor					**OFF**	*(read only)* Object detection on the floor.
	→ PrElsFloor					**OFF**	*(read only)* Object detection on the floor (light barrier).
	→ PrCeiling					**OFF**	*(read only)* Object detection on the ceiling.
	→ PrElsCeiling					**OFF**	*(read only)* Object detection on the ceiling (light barrier).
	→ PrVolumetric					**OFF**	*(read only)* Volumetric object detection in the tunnel.
	→ PrWallLeft					**OFF**	*(read only)* Object detection on the left wall.
	→ PrWallRight					**OFF**	*(read only)* Object detection on the right wall.
	→ CamGo1					**OFF**	*(read only)* Pass back detection.
	→ CamGo2					**OFF**	*(read only)* Pass back detection.
	→ ServiceTrap					**OFF**	*(read only)* Service trap is open.

→ Tunnel 2 *(not applicable for TWIN and WIDE))*							
	→ PrFloor2					**OFF**	*(read only)* Object detection on the floor tunnel 2.
	→ PrElsFloo2					**OFF**	*(read only)* Object detection on the floor (light barrier) tunnel 2.
	→ PrCeiling2					**OFF**	*(read only)* Object detection on the ceiling tunnel 2.
	→ PrElsCeiling2					**OFF**	*(read only)* Object detection on the ceiling (light barrier) tunnel 2.
	→ PrVolumetric2					**OFF**	*(read only)* Volumetric object detection in tunnel 2.
	→ PrWallLeft2					**OFF**	*(read only)* Object detection on the left wall tunnel 2.
	→ PrWallRight2					**OFF**	*(read only)* Object detection on the right wall tunnel 2.
	→ CamGoTri1					**OFF**	*(read only)* Pass back detection tunnel 2.
	→ CamGoTri2					**OFF**	*(read only)* Pass back detection tunnel 2.
	→ CamGoTri3					**OFF**	*(read only)* Pass back detection tunnel 2.
	→ CamGoTri4					**OFF**	*(read only)* Pass back detection tunnel 2.
	→ ServiceTrap2					**OFF**	*(read only)* Service trap is open tunnel 2.

→ Extended Gate *(applies only to Extended)*							
	→ Gate1Open					**OFF**	*(read only)* Wing gate 1 is open
	→ Gate1Closed					**OFF**	*(read only)* Wing gate 1 is closed
	→ Gate1Error					**OFF**	*(read only)* Malfunction wing gate 1
	→ Gate2Open					**OFF**	*(read only)* Wing gate 2 is open
	→ Gate2Closed					**OFF**	*(read only)* Wing gate 2 is closed
	→ Gate2Error					**OFF**	*(read only)* Malfunction wing gate 2

→ Software Inputs							
	→ SwMaintenance					**OFF**	*(read only)* Maintenance mode.
	→ Handicapped BadgeIn					**OFF**	*(read only)* Signal status entrance badge for Handicapped mode.
	→ Handicapped BadgeTun					**OFF**	*(read only)* Signal status badge inside tunnel for Handicapped mode.
	→ Handicapped BadgeOut					**OFF**	*(read only)* Signal status exit side badge for Handicapped mode
	→ CamGo DoorIn					**OFF**	*(read only)* Signal status pass back cameras entrance door.
	→ Tailgate Sensor					**OFF**	*(read only)* Signal status of tailgating sensor
	→ Mode Locked					**OFF**	*(read only)* Locked mode
	→ Mode Open					**OFF**	*(read only)* Open mode
	→ Mode Flow					**OFF**	*(read only)* Flow mode
	→Mode Interlock					**OFF**	*(read only)* Interlock mode

→ COUNTER							
	→ User						
	→ Passenger					(integer)	*(read only)* Number of users
	→ Reset					**OFF**	Reset the counter

→ Cycle							
→ Entrance door							
	→ Door					(integer)	*(read only)* Entrance door cycles
	→ Locking					(integer)	*(read only)* Entrance door locking cycles
	→ Reset					**OFF**	Reset the counter
→ Middle door *(not applicable for TWIN and WIDE)*							
	→ Door					(integer)	*(read only)* Middle door cycles
	→ Locking					(integer)	*(read only)* Middle door locking cycles
	→ Reset					**OFF**	Reset the counter
→ Exit door *(not applicable for WIDE)*							
	→ Door					(integer)	*(read only)* Exit door cycles
	→ Locking					(integer)	*(read only)* Exit door locking cycles
	→ Reset					**OFF**	Reset the counter

→ Cycle extended gate *(applies only to Extended)*							
	→ WingLeft					(integer)	*(read only)* Left wing cycles
	→ WingRight					(integer)	*(read only)* Right wing cycles
	→ Reset					**OFF**	Reset the counter

→ Alarms *(only applies to Extended)*							
	→ TechAlarm					(integer)	*(read only)* Number of technical alarms
	→ FlowAlarm					(integer)	*(read only)* Number of flow disturbances
	→ WrongWay					(integer)	*(read only)* Number of wrong way alarms
	→ Intrusion					(integer)	*(read only)* Number of intrusions
	→ Tailgaiting					(integer)	*(read only)* Number of tailgating alarms
	→ Reset					**OFF**	Reset the counter

→ Operating time							
	→ Light					(h)	*(read only)* Operating time for the lighting
	→ Reset					**OFF**	Reset the counter

→ ALARM LIST
→ *Alarms Buffer* (see alarm listing)

→ INPUTS / OUTPUTS

	→ Inputs 0…15						
	→ PrElsIn	x	x	x		**ON / OFF**	*(read only)* Counter light barrier entrance door
	→ PrElsOut	x				**ON / OFF**	*(read only)* Counter light barrier exit door
	→ PrElsMid		x			**ON / OFF**	*(read only)* Counter light barrier middle door
	→ Reserve			x		**ON / OFF**	*(read only)*
	→ DoorOutOpen	x				**ON / OFF**	*(read only)* Exit door open
	→ DoorMidOpen		x			**ON / OFF**	*(read only)* Middle door open
	→ Reserve			x		**ON / OFF**	*(read only)*
	→ DoorOutClosed	x				**ON / OFF**	*(read only)* Exit door closed
	→ DoorMid-Closed		x			**ON / OFF**	*(read only)* Middle door closed
	→ Reserve			x		**ON / OFF**	*(read only)*
	→ RadarIn	x	x	x		**ON / OFF**	*(read only)* Motion detector entrance door
	→ RadarOut	x				**ON / OFF**	*(read only)* Motion detector exit door
	→ RadarMid		x			**ON / OFF**	*(read only)* Motion detector middle door
	→ Reserve			x		**ON / OFF**	*(read only)*
	→ DoorInOpen	x	x	x		**ON / OFF**	*(read only)* Entrance door open
	→ DoorInClosed	x	x	x		**ON / OFF**	*(read only)* Entrance door closed
	→ PrWingIn	x	x	x		**ON / OFF**	*(read only)* Swing area protection entrance door
	→ PrWingOut	x				**ON / OFF**	*(read only)* Swing area protection exit door
	→ PrWingMid		x			**ON / OFF**	*(read only)* Swing area protection middle door
	→ Reserve			x		**ON / OFF**	*(read only)*
	→ DoorInLocked	x	x	x		**ON / OFF**	*(read only)* Entrance door locked
	→ DoorOut-Locked	x				**ON / OFF**	*(read only)* Exit door locked
	→ DoorMid-Locked		x			**ON / OFF**	*(read only)* Middle door locked
	→ Reserve			x		**ON / OFF**	*(read only)*
	→ AlarmStgIn	x	x	x		**ON / OFF**	*(read only)* Control alarm entrance door
	→ AlarmStgOut	x				**ON / OFF**	*(read only)* Control alarm exit door
	→ AlarmStgMid		x			**ON / OFF**	*(read only)* Control alarm middle door
	→ Reserve			x		**ON / OFF**	*(read only)*
	→ BDE-S 3	x	x	x		**ON / OFF**	*(read only)* BDE-S contact 3
	→ Aux11	x	x	x		**ON / OFF**	*(read only)* Programmable input 11

	→ Inputs 16…31							
		→ CamGo1	x	x			**ON / OFF**	*(read only)* Pass back detection 1
		→ Reserve			x		**ON / OFF**	*(read only)*
		→ CamGo2	x	x			**ON / OFF**	*(read only)* Pass back detection 2
		→ Reserve			x		**ON / OFF**	*(read only)*
		→ AC PowerFail	x	x	x		**ON / OFF**	*(read only)* Power supply monitoring
		→ BDE-S 1	x	x	x		**ON / OFF**	*(read only)* BDE-S contact 1
		→ BDE-S 2	x	x	x		**ON / OFF**	*(read only)* BDE-S contact 2
		→ SwNoAlarm	x	x	x		**ON / OFF**	*(read only)* No alarm switch
		→ SwCleaning	x	x	x		**ON / OFF**	*(read only)* Cleaning operating mode switch
		→ PrFloor	x	x			**ON / OFF**	*(read only)* Floor detection light barrier
		→ Reserve			x		**ON / OFF**	*(read only)*
		→ PrVolumetric	x	x			**ON / OFF**	*(read only)* Volumetric monitoring sensor
		→ RadPreAlarm			x		**ON / OFF**	*(read only)* Pre-alarm motion detector
		→ SwEmergExit	x	x	x		**ON / OFF**	*(read only)* Emergency open switch
		→ RadPreAlarm	x	x			**ON / OFF**	*(read only)* Pre-alarm motion detector
		→ Reserve			x		**ON / OFF**	*(read only)*
		→ EmergClosing	x	x	x		**ON / OFF**	*(read only)* Emergency closing
		→ TotalOpening	x	x	x		**ON / OFF**	*(read only)* Total open
		→ Aux01	x	x			**ON / OFF**	*(read only)* Programmable input 01
		→ PrPreAlarm			x		**ON / OFF**	*(read only)* Presence detection pre-alarm
		→ ServiceTrap	x	x	x		**ON / OFF**	*(read only)* Service hatch open
		→ Reserve	x	x	x		**ON / OFF**	*(read only)*

	→ Outputs 32…47							
		→ StgInSURV	x	x	x		**ON / OFF**	*(read only)* Command lock entrance door
		→ StgInSSK	x	x	x		**ON / OFF**	*(read only)* Command open entrance door
		→ StgInNSK	x	x	x		**ON / OFF**	*(read only)* Command emergency close entrance door
		→ StgOutSURV	x				**ON / OFF**	*(read only)* Command lock exit door
		StgMidSURV		x			**ON / OFF**	*(read only)* Command lock middle door
		Reserve			x		**ON / OFF**	*(read only)*
		→ StgOutSSK	x				**ON / OFF**	*(read only)* Command open exit door
		StgMidSSK		x			**ON / OFF**	*(read only)* Command open middle door
		Reserve			x		**ON / OFF**	*(read only)*
		→ StgOutSOK	x				**ON / OFF**	*(read only)* Command emergency open exit door
		StgMidSOK		x			**ON / OFF**	*(read only)* Command emergency open middle door
		Reserve			x		**ON / OFF**	*(read only)*
		→ LedGreenIn	x	x	x		**ON / OFF**	*(read only)* Green traffic light entrance door
		→ LedRedIn	x	x	x		**ON / OFF**	*(read only)* Red traffic light entrance door
		→ Buzzer	x	x	x		**ON / OFF**	*(read only)* Buzzer
		→ Light	x	x			**ON / OFF**	*(read only)* Lighting
		Reserve			x		**ON / OFF**	*(read only)*
		→ LedGreenOut	x				**ON / OFF**	*(read only)* Green traffic light exit door
		Led Green Mid		x			**ON / OFF**	*(read only)* Green traffic light middle door
		Reserve			x		**ON / OFF**	*(read only)*
		→ LedRedOut	x				**ON / OFF**	*(read only)* Red traffic light exit door
		LedRedMid		x			**ON / OFF**	*(read only)* Red traffic light middle door
		Reserve			x		**ON / OFF**	*(read only)*
		→ FlashIn	x	x	x		**ON / OFF**	*(read only)* Flashing light entrance side
		→ PictogramIn	x	x	x		**ON / OFF**	*(read only)* Pictogram entrance side
		→ FlashOut	x	x			**ON / OFF**	*(read only)* Flashing light exit side
		Reserve			x		**ON / OFF**	*(read only)*
		→ PictogramOut	x	x			**ON / OFF**	*(read only)* Pictogram exit side
		Reserve			x		**ON / OFF**	*(read only)*

→ Outputs 48…63							
	→ BMS1-01	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	→ BMS1-02	x	x	x		**ON / OFF**	
	→ BMS1-03	x	x	x		**ON / OFF**	
	→ BMS1-04	x	x	x		**ON / OFF**	
	→ BMS1-05	x	x	x		**ON / OFF**	
	→ BMS1-06	x	x	x		**ON / OFF**	
	→ BMS1-07	x	x	x		**ON / OFF**	
	→ BMS1-08	x	x	x		**ON / OFF**	
	→ BMS2-01	x	x	x		**ON / OFF**	
	Ext.GateLeftIN1	x	x	x	x	**ON / OFF**	*(read only)*
	→ BMS2-02	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	Ext.GateLeftIN2	x	x	x	x	**ON / OFF**	*(read only)*
	→ BMS2-03	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	Reserve	x	x	x	x	**ON / OFF**	*(read only)*
	→ BMS2-04	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	Ext.GateLeftIN4	x	x	x	x	**ON / OFF**	*(read only)*
	→ BMS2-05	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	Ext.GateRight IN1	x	x	x	x	**ON / OFF**	*(read only)*
	→ BMS2-06	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	Ext.Ga-teRightIN2	x	x	x	x	**ON / OFF**	*(read only)*
	→ BMS2-07	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	Reserve	x	x	x	x	**ON / OFF**	*(read only)*
	→ BMS8-08	x	x	x		**ON / OFF**	*(read only)* BMS relay status
	Ext.Ga-teRightIN4	x	x	x	x	**ON / OFF**	*(read only)*

→ Inputs 64…79							
	→ PrWallLeft	x	x			**ON / OFF**	*(read only)* Light curtain left wall detection
	Reserve			x		**ON / OFF**	*(read only)*
	→ PrWallRight	x	x			**ON / OFF**	*(read only)* Light curtain right wall detection
	Reserve			x		**ON / OFF**	*(read only)*
	→ PrCeiling	x	x			**ON / OFF**	*(read only)* Light curtain ceiling detection
	Reserve			x		**ON / OFF**	*(read only)*
	→ PrElsFloor	x	x			**ON / OFF**	*(read only)* Light barrier floor detection
	Reserve			x		**ON / OFF**	*(read only)*
	→ PrElsCeiling	x	x			**ON / OFF**	*(read only)* Light barrier ceiling detection
	Reserve			x		**ON / OFF**	*(read only)*
	→ Reserve	x	x	x		**ON / OFF**	*(read only)*
	Ext.Gate1Out1	x	x	x	x	**ON / OFF**	*(read only)* Command left wing gate open / close
	→ Reserve	x	x	x		**ON / OFF**	*(read only)*
	Ext.Gate1Out2	x	x	x	x	**ON / OFF**	*(read only)* Command left wing gate open / close
	→ Voice3Busy	x	x			**ON / OFF**	*(read only)* Voice module 3 (exit side) enabled
	Reserve			x		**ON / OFF**	*(read only)*
	→ Aux21	x	x			**ON / OFF**	*(read only)* Programmable input 21
	Reserve			x		**ON / OFF**	*(read only)*
	→ Voice1Busy	x	x			**ON / OFF**	*(read only)* Voice module 1 (entrance side) enabled
	Reserve			x		**ON / OFF**	*(read only)*
	PrFloor Exten-ded			x	x	**ON / OFF**	*(read only)* Light barrier floor detection wing gate
	→ Voice2Busy	x	x			**ON / OFF**	*(read only)* Voice module 2 (tunnel) enabled
	PrPreAlarm			x		**ON / OFF**	*(read only)* Presence detection pre-alarm
	→ Reserve	x	x	x		**ON / OFF**	*(read only)*
	PrFloorExt	x	x		x	**ON / OFF**	*(read only)* Light barrier floor detection wing gate
	→ PrPreAlarm	x	x			**ON / OFF**	*(read only)* Presence detection pre-alarm
	Reserve			x		**ON / OFF**	*(read only)*
	→ Aux12	x	x			**ON / OFF**	*(read only)* Programmable input 12
	RadarPreAlarm			x		**ON / OFF**	*(read only)* Motion detection pre-alarm
	→ Reserve	x	x			**ON / OFF**	*(read only)*
	PreElsWideMid			x		**ON / OFF**	*(read only)* Light barrier 2 corridor detection WIDE
	Ext.Gate2Out1	x	x	x	x	**ON / OFF**	*(read only)* Command right wing gate open/close
	→ Reserve	x	x			**ON / OFF**	*(read only)*
	PrElsWideIn			x		**ON / OFF**	*(read only)* Light barrier 1 corridor detection WIDE
	Ext.Gate2Out2	x	x	x	x	**ON / OFF**	*(read only)* Command right wing gate open / close

→ Inputs 80…95							
	→ Voice1In1	x	x	x		**ON / OFF**	Voice module 1 message number
	→ Voice1In2	x	x	x		**ON / OFF**	Voice module 1 message number
	→ Voice1In3	x	x	x		**ON / OFF**	Voice module 1 message number
	→ Voice1In4	x	x	x		**ON / OFF**	Voice module 1 message number
	→ Voice1Start	x	x	x		**ON / OFF**	Voice module 1 start
	→ Voice2In1	x	x	x		**ON / OFF**	Voice module 2 message number
	→ Voice2In2	x	x	x		**ON / OFF**	Voice module 2 message number
	→ Voice2In3	x	x	x		**ON / OFF**	Voice module 2 message number
	→ Voice2In4	x	x	x		**ON / OFF**	Voice module 2 message number
	→ Voice2Start	x	x	x		**ON / OFF**	Voice module 2 start
	→ Voice3In1	x	x	x		**ON / OFF**	Voice module 3 message number
	→ Voice3In2	x	x	x		**ON / OFF**	Voice module 3 message number
	→ Voice3In3	x	x	x		**ON / OFF**	Voice module 3 message number
	→ Voice3In4	x	x	x		**ON / OFF**	Voice module 3 message number
	→ Voice3Start	x	x	x		**ON / OFF**	Voice module 3 start
	→ Reserve	x	x	x		**ON / OFF**	

→ INPUTS / OUTPUTS TRIPLE

→ Inputs Triple 0…15							
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ PrElsOut		x			**ON / OFF**	*(read only)* Counter light barrier exit door
	→ DoorOutOpen		x			**ON / OFF**	*(read only)* Exit door open
	→ DoorOutClose		x			**ON / OFF**	*(read only)* Exit door closed
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ RadarOut		x			**ON / OFF**	*(read only)* Motion detector exit door
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ PrWingOut		x			**ON / OFF**	*(read only)* Swing area protection exit door
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ DoorOut-Locked		x			**ON / OFF**	*(read only)* Exit door locked
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ AlarmStgOut		x			**ON / OFF**	*(read only)* Control alarm exit door
	→ Reserve		x			**ON / OFF**	*(read only)*
	→ Reserve		x			**ON / OFF**	*(read only)*

→ Inputs Triple 16…31							
	→ CamGoTri1		**x**			**ON / OFF**	*(read only)* Pass back detection 1
	→ CamGoTri2		**x**			**ON / OFF**	*(read only)* Pass back detection 2
	→ AC Power-Fail2		**x**			**ON / OFF**	*(read only)* Power supply monitoring
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ PrFloor2		**x**			**ON / OFF**	*(read only)* Floor detection light barrier
	→ PrVolumetric2		**x**			**ON / OFF**	*(read only)* Volumetric monitoring sensor
	→ SwE-mergExit2		**x**			**ON / OFF**	*(read only)* Emergency open switch
	→ RadPreAl-arm2		**x**			**ON / OFF**	*(read only)* Pre-alarm motion detector
	→ EmergClos-ing2		**x**			**ON / OFF**	*(read only)* Emergency closing
	→ TotalOpen-ing2		**x**			**ON / OFF**	*(read only)* Total open
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ ServiceTrap2		**x**			**ON / OFF**	*(read only)* Service hatch open
	→ Reserve		**x**			**ON / OFF**	*(read only)*

→ Outputs Triple 32…47							
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ StgOutSURV		**x**			**ON / OFF**	*(read only)* Command lock exit door
	→ StgOutSSK		**x**			**ON / OFF**	*(read only)* Command open exit door
	→ StgOutSOK		**x**			**ON / OFF**	*(read only)* Command emergency open exit door
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Buzzer2		**x**			**ON / OFF**	*(read only)* Buzzer
	→ Light2		**x**			**ON / OFF**	*(read only)* Lighting
	→ LEDGreenOut		**x**			**ON / OFF**	*(read only)* Green traffic light exit door
	→ LEDRedOut		**x**			**ON / OFF**	*(read only)* Red traffic light exit door
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ FlashOut		**x**			**ON / OFF**	*(read only)* Flashing light exit side
	→ PictogramOut		**x**			**ON / OFF**	*(read only)* Pictogram exit side

→ Inputs Triple 64…79							
	→ PrWallLeft2		**x**			**ON / OFF**	*(read only)* Light curtain left wall detection
	→ PrWallRight2		**x**			**ON / OFF**	*(read only)* Light curtain right wall detection
	→ PrCeiling2		**x**			**ON / OFF**	*(read only)* Light curtain ceiling detection
	→ PrElsFloor2		**x**			**ON / OFF**	*(read only)* Light barrier floor detection
	→ PrElsCeiling2		**x**			**ON / OFF**	*(read only)* Light barrier ceiling detection
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Aux21		**x**			**ON / OFF**	*(read only)* Programmable input 21
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	PrFloor Extended		**x**		**x**	**ON / OFF**	*(read only)*
	→ PrPreAlarm2						*(read only)* Presence detection pre-alarm
	→ Reserve		**x**			**ON / OFF**	*(read only)*
	→ CamGoTri3		**x**			**ON / OFF**	*(read only)* Pass back detection 3
	→ CamGoTri4		**x**			**ON / OFF**	*(read only)* Pass back detection 4

SETTINGS							
→ LANGUAGE							
	→ Language					**EN**	Select the language: EN = English, DE = German, FR = French

→ Date and time							
	→ Get settings					**OFF**	
	→ Save settings					**OFF**	
	→ Hour					**0…23**	*(Integer)* Value hour
	→ Minute					**0…59**	*(Integer)* Value minute
	→ Day					**1…31**	*(Integer)* Value day
	→ Month					**1…12**	*(Integer)* Value month
	→ Year					**2014… 2099**	*(Integer)* Value year

→ TCP / IP							
	→ Get settings					**OFF**	
	→ Save settings					**OFF**	
	→ IP1					**10**	*(Integer)* IP address byte 1
	→ IP2					**17**	*(Integer)* IP address byte 2
	→ IP3					**10**	*(Integer)* IP address byte 3
	→ IP4					**1**	*(Integer)* IP address byte 4
	→ Subnet1					**255**	*(Integer)* Subnet mask byte 1
	→ Subnet2					**255**	*(Integer)* Subnet mask byte 2
	→ Subnet3					**255**	*(Integer)* Subnet mask byte 3
	→ Subnet4					**0**	*(Integer)* Subnet mask byte 4
	→ Gatway1					**0**	*(Integer)* Gateway byte 1
	→ Gatway2					**0**	*(Integer)* Gateway byte 2
	→ Gatway3					**0**	*(Integer)* Gateway byte 3
	→ Gatway4					**0**	*(Integer)* Gateway byte 4

RECORD MENU							
→ System Parameters							
	→ PStgType					**ST20**	ST20 = STM20 ST16 = STG16
	→ PPlcSlot5					**OFF**	OFF = without input module Slot 5 ON = with input module Slot 5 (If Extended-Gate is used)
	→ PExtendedVersion					**V2.0**	V1.0 = Firmware Index 001 V2.0 = Firmware Index 006

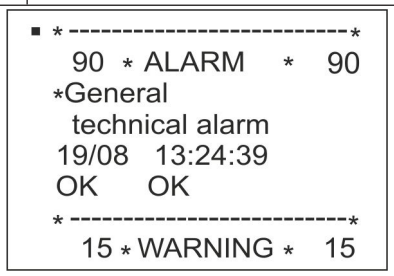
→ Sys timer							
	→→ TSignal					**10** (ds)	Debounce time for light curtain signal
	→ TPassBackDecision					**20** (ds)	Maximum closing time for entrance door in case of pass back until activating intrusion alarm. Otherwise wrong way alarm is set.

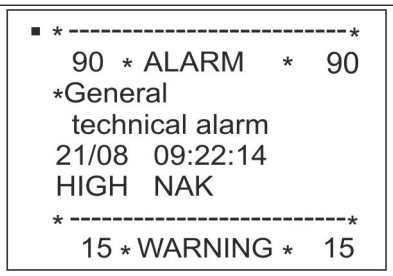
3.4 Alarm list

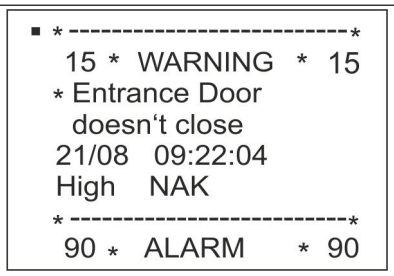
3.4.1 Display symbols (example)

→	**Display**	**Code**		**Description**	**Date and time**
	→ Alarm	90	General	Technical alarm	xx.xx.xxxx / xx:xx:xx

→	**Status display**	**OK = status**	**OK = confirm (reset)**
	→ Alarm status	Enabled =	High
		Disabled =	OK
	→ Alarm reset	Not pressed	NAK
		Pressed	OK







3.4.2 FlipFlow alarm list

Code	Source	Description	Message type
10	Entrance Door	Control unit alarm	Alarm
11	Entrance Door	Open: PrEls ON	Warning
12	Entrance Door	Closed: PrEls ON	Warning
13	Entrance Door	Not open, not closed	Warning
14	Entrance Door	Doesn’t open	Warning
15	Entrance Door	Doesn’t close	Warning
16	Entrance Door	Open: PrWing ON	Warning
17	Entrance Door	Closed: PrWing ON	Warning
20	Exit (Mid) Door	Control unit alarm	Alarm
21	Exit (Mid) Door	Open: PrEls ON	Warning
22	Exit (Mid) Door	Closed: PrEls ON	Warning
23	Exit (Mid) Door	Not open, not closed	Warning
24	Exit (Mid) Door	Doesn’t open	Warning

Code	Source	Description	Message type
25	Exit (Mid) Door	Doesn't close	Warning
26	Exit (Mid) Door	Open: PrWing ON	Warning
27	Exit (Mid) Door	Closed: PrWing ON	Warning
30	Exit Door	Control unit alarm	Alarm
31	Exit Door	Open: PrEls ON	Warning
32	Exit Door	Closed: PrEls ON	Warning
33	Exit Door	Not open, not closed	Warning
34	Exit Door	Doesn't open	Warning
35	Exit Door	Doesn't close	Warning
36	Exit Door	Open: PrWing ON	Warning
37	Exit Door	Closed: PrWing ON	Warning
40	Extended Gate 1	Control unit alarm	Alarm
41	Extended Gate 2	Control unit alarm	Alarm
42	Extended Gate	Doesn't open	Warning
43	Extended Gate	Doesn't open	Warning
44	Extended Gate	PrFloor ON	Warning
45	Extended Gate	Unit disabled	Info
50	Sensors Tunnel 1	Presence floor	Warning
51	Sensors Tunnel 1	Presence els flor	Warning
52	Sensors Tunnel 1	Presence ceiling	Warning
53	Sensors Tunnel 1	Presence els ceiling	Warning
54	Sensors Tunnel 1	Presence left wall	Warning
55	Sensors Tunnel 1	Presence right wall	Warning
56	Sensors Tunnel 1	Presence volumetric detection	Warning
60	Sensors Tunnel 2	Presence floor	Warning
61	Sensors Tunnel 2	Presence els flor	Warning
62	Sensors Tunnel 2	Presence ceiling	Warning
63	Sensors Tunnel 2	Presence els ceiling	Warning
64	Sensors Tunnel 2	Presence left wall	Warning
65	Sensors Tunnel 2	Presence right wall	Warning
66	Sensors Tunnel 2	Presence volumetric detection	Warning
70	CamGo	Init-alarm	Warning
80	Pass Back	Cam 1 (tunnel1)	Alarm
81	Pass Back	Cam 2 (tunnel1)	Alarm
84	Pass Back	Cam 1 (tunnel2)	Alarm
85	Pass Back	Cam 2 (tunnel2)	Alarm
86	Pass Back	Cam 3 (tunnel2)	Alarm
87	Pass Back	Cam 4 (tunnel2)	Alarm
88	Pass Back	Pre-alarm	Alarm
89	Pass Back	Intrusion-alarm	Alarm

Code	Source	Description	Message type
90	General	Technical alarm	Alarm
91	General	Material alarm	Alarm
92	General	RIO missing	Alarm
93	General	Sabotage	Warning
94	General	No-alarm switch	Info
95	General	Cleaning switch	Info
96	General	Emergency open 1	Info
97	General	Emergency open 2	Info
98	General	Total opening	Info
99	General	Emergency closing	Info
100	General	IO Ext. missing	Alarm

4 Taking out of service and disposal

4.1 Decommissioning

When shutting down or taking out of service, the system is disconnected from the mains supply and any existing battery is unplugged.

NOTICE

After each temporary shutdown a new commissioning must be carried out.

4.2 Dismantling and disposal

IMPORTANT

All machine parts must be sorted by type of material and disposed of according to local regulations and guidelines.

NOTICE

The door systems can be completely disassembled in reverse order.

The automatic door mainly consists of the following materials:

Aluminum:

- Linking profiles
- Gearbox, Drive panel
- Door wing profiles and side profiles
- Various profiles and small parts

Steel / iron parts:

- Stainless steel casing, Floor panel, Box recess for floor installation
- Optional spacer or reinforcement profiles
- Gear components, springs
- Various small parts like fittings, covers, linking parts, etc.

Glass:

- Door wings and side panels

Various electronic and electromechanical components:

- Sensors, control and operator components
- Lead batteries and nickel-cadmium rechargeable batteries

Various plastics:

- Rollers
- Cable clips, coupling and linking parts
- Sealing profiles
- Casing of electromechanical components and sensors

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