LED-SIGNALS

The ORANGE LED flashes every second.	The sensor goes into security mode.	**1**	Cut and restore power supply.
The ORANGE LED flashes 1 x.	The sensor signals an internal fault.	**1**	Cut and restore power supply.
		2	If orange LED flashes again, replace sensor.
The ORANGE LED flashes 2 x.	Irregularities in the power supply	**1**	Check power supply.
		2	Check wiring.
The ORANGE LED flashes 4 x.	The sensor receives not enough IR-energy.	**1**	Check the angle of the IR-curtains.
		2	Adapt background if necessary (floor is too absorbing).
		3	Launch a new assisted setup.
The ORANGE LED flashes 5 x.	The sensor receives too much IR-energy.	**1**	Check the angle of the IR-curtains.
		2	Adapt background if necessary (floor is too reflective).
The ORANGE LED is on.	The sensor encounters a memory problem.	**1**	Cut and restore power supply.
		2	If orange LED lights up again, replace sensor.
The RED LED flashes quickly after an assisted setup.	The sensor sees the door during the assisted setup.	**1**	Check the angle of the IR-curtains.
		2	Launch a new assisted setup. *Attention: Do not stand in the detection field!*
The RED LED lights up sporadically.	The sensor vibrates.	**1**	Check if the sensor is fastened firmly.
		2	Check position of prism and cover.
	The sensor sees the door.	**1**	Launch an assisted setup and adjust the IR angle.
	The sensor is disturbed by the rain.	**1**	Increase the IR-immunity filter by remote control.*
The LED is off.		**1**	Check connections to test output.
		2	If your door controller is not able to test the sensor, connect the red and blue cable to power supply.*
The reaction of the door does not correspond to the LED-signal.		**1**	Check output configuration setting.
		2	Switch value 1 (P) to 2 (A) or 2 to 1 by remote control.

*excludes DIN18650-conformity of the door equipment
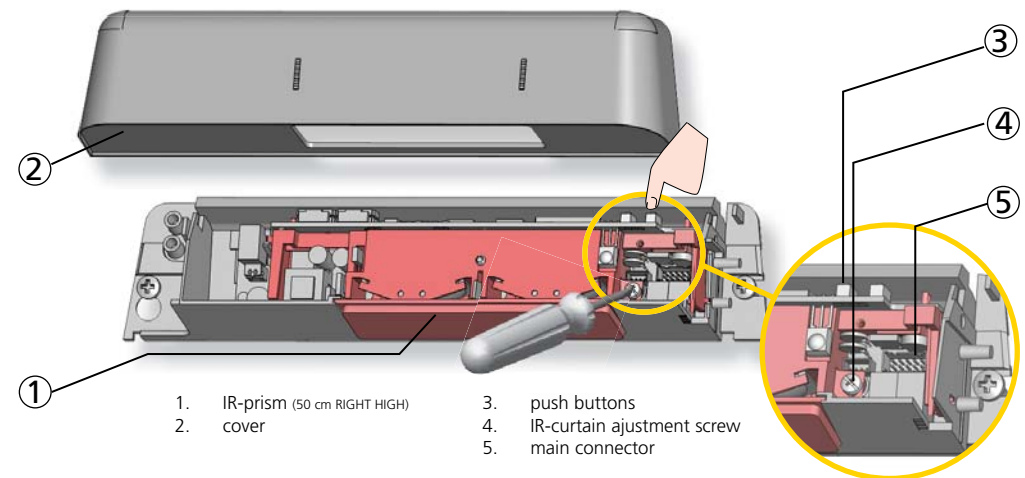
SAFETY INSTRUCTIONS

GC 333 C

Safety sensor for automatic revolving doors

Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer.
The manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor.
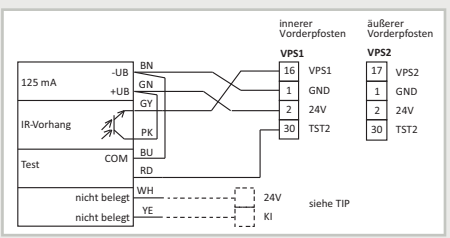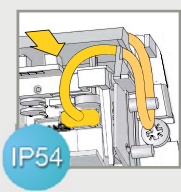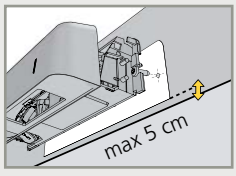
DESCRIPTION

1. IR-prism (50 cm RIGHT HIGH)
2. cover
3. push buttons
4. IR-curtain ajustment screw
5. main connector

TECHNICAL SPECIFICATIONS

Supply voltage:	12 V - 24 V AC +/-10% ; 12 V - 30 V DC -5%/+10%
Power consumption:	< 3 W
Mounting height:	1.8 m to 2.7 m
Sensitivity of the test input:	< 1 V : Log. L; > 10 V: Log. H (max. 30 V)
Temperature range:	-25 °C to +55 °C
Degree of protection:	IP54
Norm conformity:	EMC 2004/108/EC; MD 2006/42/EC EN ISO 13849-1:2008 Performance Level «c» CAT. 2; EN 12978 (under the condition that the door control system monitors the sensor at least once per door cycle)
Detection mode:	Presence Typical response time: <128 ms (max. 500 ms)
Technology:	Active infrared (wave length: 880 nm) with background analysis Spot diameter: 0.1 m max. Number of spots: 6 by curtain Number of curtains: 1 or 2 (adjustable)
Angle:	From -4 ° to +4 ° (adjustable)
Output:	Solid-state-relay (free of potential, free of polarity) Max. contact current: 100 mA Max. contact voltage: 42 V AC/DC
Hold-open time:	0.3 s or 1 s (not adjustable)
Response time on test request:	Typical: < 15 ms (max. 25 ms)

1 MOUNTING & WIRING

max 5 cm

IP54

			innerer Vorderpfosten		äußerer Vorderpfosten	
			VPS1		**VPS2**	
-UB	BN		16	VPS1	17	VPS2
125 mA +UB	GN		1	GND	1	GND
	GY		2	24V	2	24V
IR-Vorhang	PK		30	TST2	30	TST2
	BU					
Test COM	RD					
nicht belegt	WH			24V		siehe TIP
nicht belegt	YE			KI		

The door control unit and the door cover profile should be correctly earthed.

For compliance with DIN 18650 connection required to door controller test output.
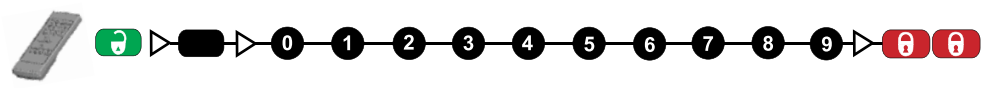
2 INFRARED FIELD

WIDTH

R

L

«click»

| right high | 50 right high | 50 cm RIGHT HIGH |
| 50 left high | | 50 cm LEFT HIGH |

ANGLE

CLOSER

AWAY

TIP: Launch an **ASSISTED SETUP** to verify wiring, position of the curtains and correct functioning of the sensor.

It is recommended to clean the optical parts at least once a year or more often if required due to environmental conditions.

3 SETTINGS

						auto = the sensor will automatically adapt to the door controller: on if testable, off if not testable
TEST (MONITORING)	AC	off	on	auto		
OUTPUT CONFIGURATION			A-P	P-A	P-P	A-A	A = active output (NO-contact) Opening P = passive output (NC-contact) Safety
OUTPUT REDIRECTION	F1	safety	safety + opening			0 presence detection on safety input 1 presence detection on safety and opening input

NUMBER OF CURTAINS	BE	1	2				
IMMUNITY FILTER		normal	high	higher			
MAX. PRESENCE TIME		30 s	1 min	2 min	5 min	10 min	20 min	60 min

| RESETTING TO FACTORY VALUES | 9 |

FACTORY VALUES

excludes DIN18650-conformity of the door equipment

4 SETUP (by push button or remote control)

Please step out of the infrared field.

QUICK SETUP =

RED-GREEN OFF

ASSISTED SETUP* = 1 DOOR CYCLE +

RED-GREEN OFF

PUSH RIGHT UNTIL RED-GREEN

OR

 0

* Yellow and white cable have to be connected.

IMPORTANT: Test the good functioning of the installation before leaving the premises.