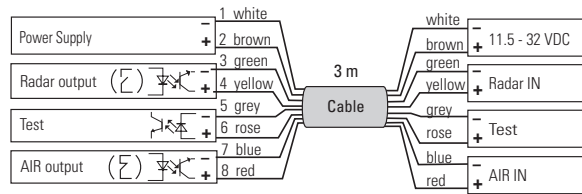


Short guide

Electrical connections

PrimeTec A ES / PrimeScan A *



* For other versions (eg. PrimeTec A ES.SM.V) see supplementary sheet

PrimeTec A ES has optocoupler outputs at radar and AIR. This optocouplers are protected against voltage reversal with a diode. If the output is connected with reverse polarity, the output is through-connected permanently.

Configuration remote control

Point the remote control «Reglobeam» on the sensor and press the key **G** on the Reglobeam.

If the connection has been established successfully, **G** and one of the keys 1 to 8 light up (= address of the sensor). If **G** flashes, connection could not be established.

Configuration operator buttons

	Automatic	Access Config. mode	Choices	Choose	Funct./Parameter	Back to choice	Exit config. mode
LCD Operator buttons red (Mode) & black (Data)							
	A: Automatic mode t: test active ① Radar output on ② AIR output on	Press both buttons simultaneously	Red button: Changes between Radar, AIR and general functions	Black button: choose	Red button: Choose parameter * Black button: Choose value of the parameter	Press both buttons	Press both buttons Switches to automatic mode (A) automatically after 1 min

Radar functions (PrimeTec) ①		OPERATION OF THE BUTTONS			REGLOBEAM (REMOTE CONTROL)	
		Parameter (Mode)	Value (Data)	LCD	Mode	Significance of number keys
Field size (Radar sensitivity)		1	1-5	[1 1.3]	D	① = Smallest radar field, ② ③* = Medium radar field, ④ ⑤ = Largest radar field size
Direction recognition		2	1-3	[2 2.2]	F + ⑧	① = both directions, ②* = Forwards, ③ = Backwards
Field geometry		3	1-2	[3 3.2]	F + ⑨	① = round radar field, min. = 0.5 x 0.5m (WxD), max. = 2.7 x 1.9m (WxD) ②* = wide Radarfeld, min. = 1.1 x 0.6m (WxD), max. = 4.7 x 1.7m (WxD)
Cross Traffic Optimisation		4	1-5	[4 4.2]	F + ⑤	① = Off, ②* = Low, ③ ... ④ = middle, ⑤ = high ①-⑤ = Sens. values for cross traffic masking, Expedient only at round field)
SMD field width (Slow Motion Detection)		5	1-5	[5 5.1]	F + ③	①* = off, ② = low, ③ ... ④ = middle, ⑤ = Largest SMD field
Door filter		6	1-4	[6 6.1]	F + ⑥	①* = Filter off, ② = Door filter on (Movements of the door), ③ = Interference filter on (EMV flows, e.g. fluorescence tube), ④ = Door and interference filter on
Radar output		7	1-3	[7 7.1]	F + ②	①* = active, ② = passive, ③ = Radar off (not possible with SM-version)

AIR functions (PrimeTec / PrimeScan) ②		OPERATION OF THE BUTTONS			REGLOBEAM (REMOTE CONTROL)	
		Parameter (Mode)	Value (Data)	LCD	Mode	Significance of number keys
Set AIR sensitivity		1	1-5	[1 1.3]	E + ①	① – high sensitivity (acc. to DIN 18650 ≤ 3.5m) ④ – low sensitivity ② – medium sensitivity (acc. to DIN 18650 ≤ 3.2m) ⑤ – very low sensitivity ③* – normal sensitivity (acc. to DIN 18650 ≤ 2.6m)
Set teach-in time		2	1-5	[2 2.3]	E + ⑥	① = 10 s, ② = 30 s, ③* = 60 s, ④ = 180 s, ⑤ = 15 min
AIR output contact logic		3	1-4	[3 3.2]	E + ②	① = active ②* = passive ③ = slave high ④ = slave low ① = No detection contact open ② = No detection contact closed Settings for series circuit: See applic. sheet
AIR output		4	1-2	[4 4.1]	A + ①	①* = on, ② = 15 min off (AIR is going to be reactivated automatically after 15 minutes)
Manual background teaching		–	–	–	A + ③	Teaching background (Background is taught when red LED extinguished). Duration approx. 5 sec.

General functions (PrimeTec / PrimeScan) ① ②		OPERATION OF THE BUTTONS			REGLOBEAM (REMOTE CONTROL)	
		Parameter (Mode)	Value (Data)	LCD	Mode	Significance of number keys
Reset (Initialisierung)		Press both buttons 8 seconds			A	⑨ Reinitialisation and quick teaching of the background
Connection		–	–	–	A + ①	③ = Switch off configuration mode by Reglobeam. Switching on by access code or power cut.
Comfort settings		1	1-8 Press Data for 1 second to change the comfort setting	[1 1.1]	C	①* = Standard, ② = foot path, ③ = home for the aged, ④ = wind screen, ⑤ = high door, ⑥ = narrow door, ⑦ = wide door, ⑧ = factory settings For all values set, parameter 0 is displayed
Activate / not activate combined outputs		2	1-2	[2 2.2]	E + ⑨	① = activated (AIR or radar actuate both the radar output) ②* = not activated
Reglobeam addresse (communication remote control / detector)		3	1-6	[3 3.1]	E + ⑧	①* = Address 1, ② = Address 2, ③ = Address 3, ④ = Address 4, ⑤ = Address 5, ⑥ = Address 6 In the case of overlapping AIR fields consider the addressing order: → odd number ① → even number ② → odd number ③

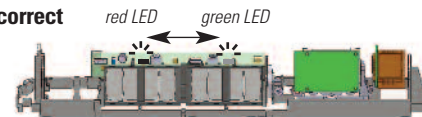
* Factory settings

Initialisation

- ❗ Remove the current supply all objects that do not form part of the usual door system environment from the door area BEFORE switching on. Make sure that no-one is in the door area, otherwise correct startup will not be possible.

The alternate flashing shows the initialisation (teaching) of the detector (Duration 20 - 25 seconds). During startup, the firmware version FXXX is displayed.

Once the detector has been connected to the power supply, it can be configured via the Reglobeam within the next 30 minutes. Following initialisation, the red/green LED only lights up when a detection has occurred.



Mechanical fine tuning

Radar field (PrimeTec)

Manual settings of the inclination

0° ... +90° in 5° steps



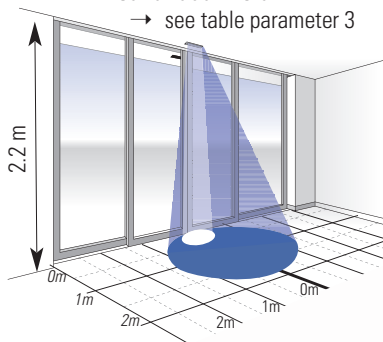
Manual settings of the pivoting

-20° ... +20° in 5° steps



Round radar field

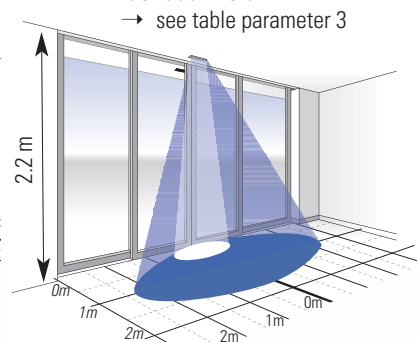
→ see table parameter 3



min. = 0.5 x 0.5m (WxD)
max. = 2.7 x 1.9m (WxD)

Wide radar field

→ see table parameter 3

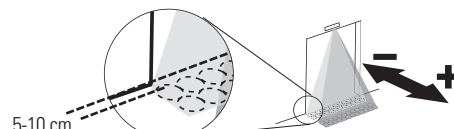
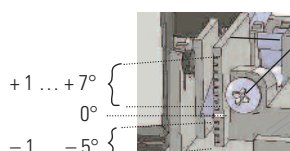


min. = 1.1 x 0.6m (WxD)
max. = 4.7 x 1.7m (WxD)

AIR field: inclination (PrimeTec / PrimeScan)

Settings of the inclination angle on the adjustment screw:

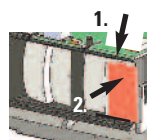
Inclination: -5° ... +7° continuously adjustable



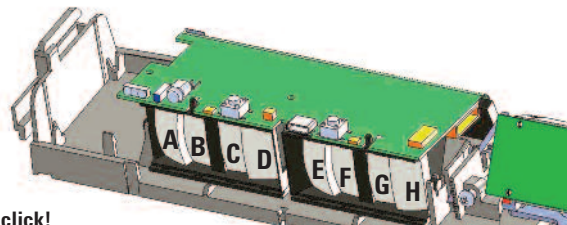
Setting the AIR field width (PrimeTec / PrimeScan)

The width of the AIR field can be set using the click-in plastic cover in front of the detector's lens.

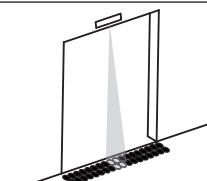
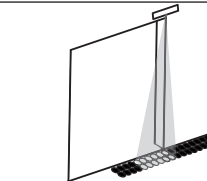
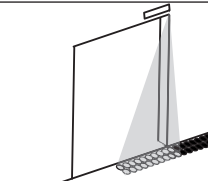
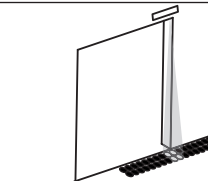
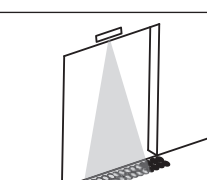
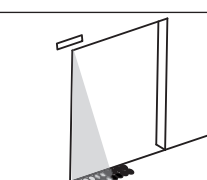
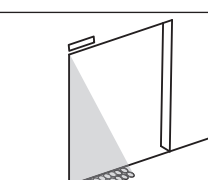
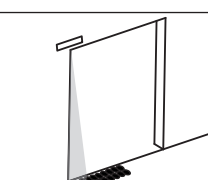
*  Field width:
Detector without cover: 2.3 x 0.2 m
All light beams are active bei 2.2 m



1. Slide
2. Push & click!



Mögliche Einstellungen (Masse bei 2.2 m Montagehöhe)

A, B, G, H covered	E, G, H covered	G, H covered	A, B, G, H covered
Field width: 0.25 x 0.2 m	Field width: 0.75 x 0.2 m	Field width: 1.2 x 0.2 m	Field width: 0.25 x 0.2 m
			
A, D covered	A, B, D covered	A, B covered	A, B, G, H covered
Field width: 1.3 x 0.2 m	Field width: 0.75 x 0.2 m	Field width: 1.2 x 0.2 m	Field width: 0.25 x 0.2 m
			

Comfort settings

	Standard	Foot path	Home for the aged	Wind screen	High door	Narrow door	Wide door	Factory settings
Radar field size	3	3	3	2	4	2	5	3
Field geometry *	wide	round	wide	wide	round	round	wide	wide
Cross Traffic Optimisation	2	5	1	2	1	1	1	2
SMD field size	1	1	4	1	1	1	1	1