

# Series Connection Diagram

## PrimeTec/PrimeScan (independent of operator)

### 1 Operator designation

Standard connection diagram (independent of operator) for PrimeTec/PrimeScan series circuit.  
Please see the respective connection diagram for operator-specific connection.

### 2 Important safety instructions



- Refer to the original operating instructions regarding detector installation and start-up.
- Connect the exterior and interior detectors using the interior and exterior connections of the controller provided for this purpose.
- Test the function and the correct settings of the detectors in connection with the door.

### 3 Settings

**The AIR output logic of the Slave must be adjusted in accordance with that of the Master!**

The **Master** is a detector at which the test input is connected to the controller.  
Slave is a detector that receives the test signal from a preceding detector.

Depending on the operator, up to 4 detectors can be connected in series.

	OPERATION OF THE BUTTONS <sup>1</sup>			DESCRIPTION		
	Function 	Value 	LCD 	RegloBeam2: Mode		
<b>AIR output contact logic</b> 	3	1 – 4		Ⓔ + Ⓔ (with PrimeTec A only)	①  = active (NO) No detection Contact open	②*  = passive (NC) No detection Contact closed
						Series connection Settings Master ① → Slave ③ Master ② → Slave ④

\* Factory setting

**Note:** Neighbouring detectors require different frequencies in order to prevent IR interferences with overlapping fields.

### 4 AIR series connection

For power supply and radar output connection, see original operating instructions.

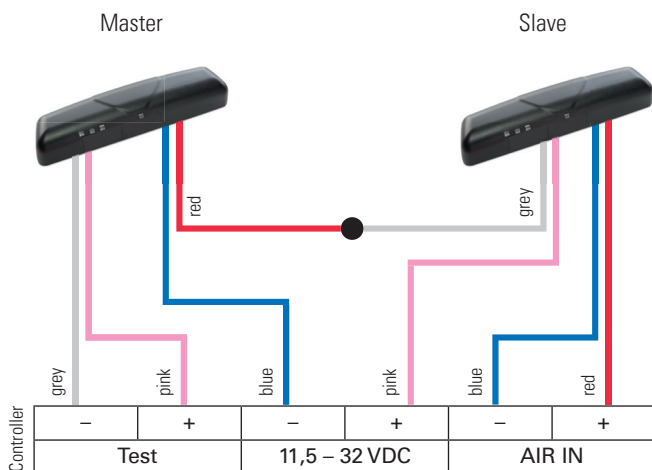
As a basic rule, both connection options can always be applied.

We recommend that the connection be made in accordance with the type of light barrier, as the GND or +VDC supply voltage can be linked together thereby.

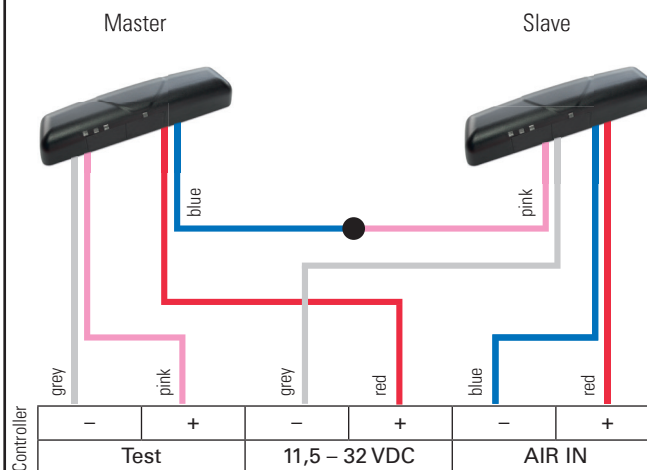
#### 2 Detectors

The number of required detectors depends on the application.

*Option 1: NPN light barrier input*



*Option 2: PNP light barrier input*



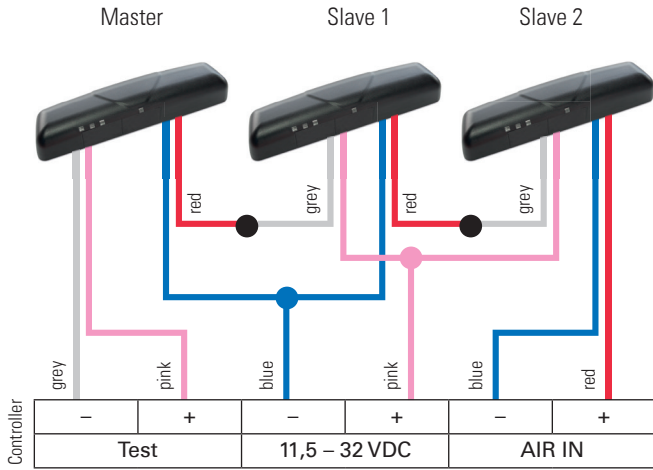
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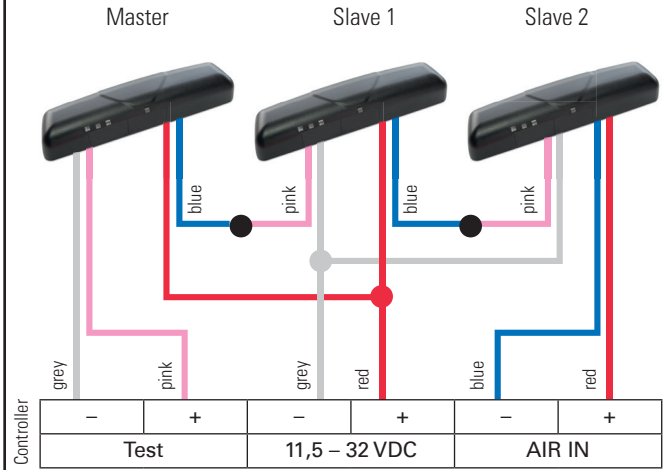
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#### Option 1: NPN light barrier input



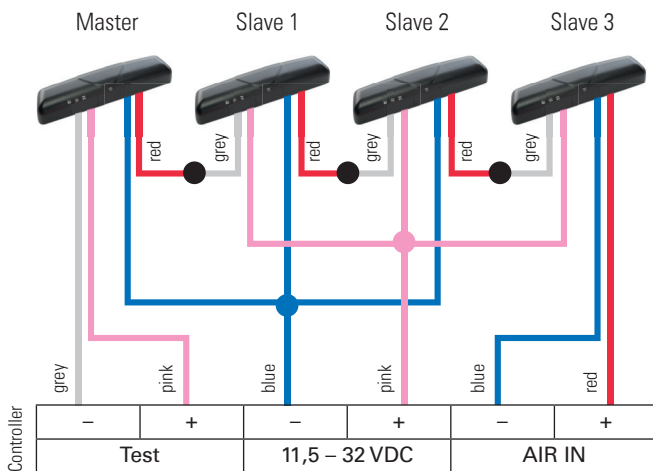
#### Option 2: PNP light barrier input



### 4 Detectors

The number of required detectors depends on the application.

#### Option 1: NPN light barrier input



#### Option 2: PNP light barrier input

