

### Installation and adjustment

1. Fit housing (see operating instructions, chapter 2).
2. Click US beams into aluminium profiles.
3. Check whether the US beams are clicked in correctly and therefore secured well in the profile!
3. . Position US beams and set inclination angle  
 → The left and right bearing clamps must be at the same angle (see operating instructions, chapter 4.3).
4. If several sensors are used, connect these with the ribbon cable (see operating instructions, chapter 4.1).
5. Click cover onto profile (working from front to back) and ensure that the US beam's inclination angle doesn't change!



This information sheet does not replace the original operating instructions! Read the operating instructions before commissioning the device!

### Electrical connections

Diagram for door side A or B:

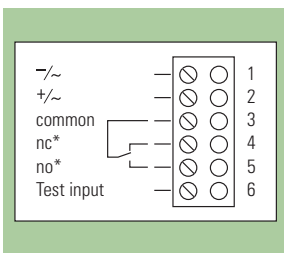
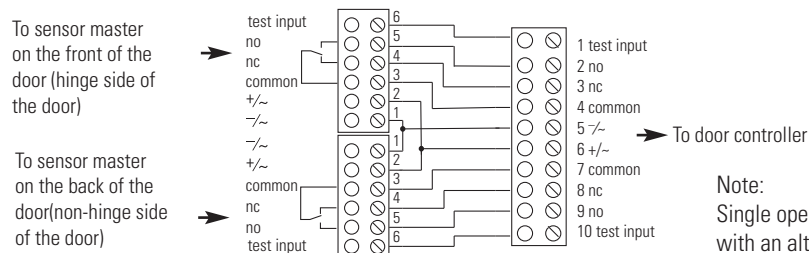


Diagram for door controller with Y adapter:



Note:  
 Single operation is only possible with an alternating current supply!

### Initialisation (see operating instructions, chapter 4)

- a) Initialisation is undertaken by pressing the keys **F + 3 + 6** on the Reglobeam remote control or by pressing the green key for 5 seconds!
- b) If both LEDs (red/green) flash, this indicates that the function has been triggered. The detection area must be exited within 6 seconds.
- c) If the red LED then flashes, this indicates that initialisation is under way. The detection area must not be entered during this time!
- d) Initialisation is complete when both LEDs go out.

### Reglobeam remote control

#### General:

- If **G** flashes, a connection to the sensor could not be established.  
 → Disconnect the power supply of the UniScan briefly or press the two buttons on the sensor for 1 second.  
 → Direct the Reglobeam remote control more exactly and directly at the sensor.  
 30 minutes after the last setting was undertaken on the sensor, configuration mode is automatically exited.

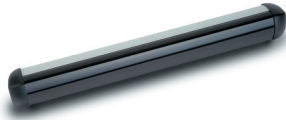
### Settings with Reglobeam

| Key | Function                                                                                                                | Key         | Brief description of function                                                   |
|-----|-------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------|
| A   | Test input                                                                                                              | 1           | «High» active, pull up                                                          |
|     |                                                                                                                         | 2           | «High» active, pull down                                                        |
|     |                                                                                                                         | 3           | «Low» active, pull up                                                           |
|     |                                                                                                                         | 4           | «Low» active, pull down                                                         |
|     |                                                                                                                         | 5           | <b>Test input deactivated*</b>                                                  |
| B   | Switch light points on and off<br>Note: Once one or more beams have been switched on and off, re-initialise using F+3+6 | 1+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 2+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 3+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 4+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 5+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 6+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 7+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 8+ 1 oder 2 | Beam 1 selected, activate with key 1, deactivate with key 2                     |
|     |                                                                                                                         | 9           | All beams on<br><b>Factory setting: Energy-saving beam pattern 1-3-5-7-8 on</b> |
| C   | Output signal                                                                                                           | 1           | The relay picks up when a detection takes place (active)                        |
|     |                                                                                                                         | 2           | <b>The relay drops out when a detection takes place (passive)</b>               |
|     |                                                                                                                         | 6           | Restart                                                                         |
| D   | Sensitivity                                                                                                             | 1           | Object height > 10 cm                                                           |
|     |                                                                                                                         | 2           | Object height > 20 cm if sensor mounting height is up to 3 m                    |
|     |                                                                                                                         | 3           | <b>Object height &gt; 20 cm if sensor mounting height is up to 2.7 m</b>        |
|     |                                                                                                                         | 4           | Object height > 30 cm**                                                         |
|     |                                                                                                                         | 5           | Object height > 50 cm**                                                         |
|     |                                                                                                                         | 6           | Object height > 70 cm**                                                         |
|     |                                                                                                                         | 7           | Object height > 100 cm*                                                         |

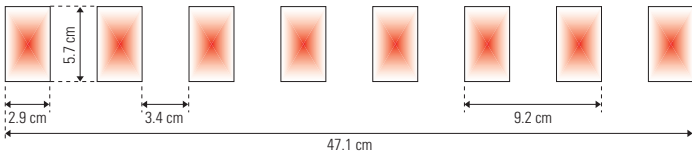
Factory setting, \*Setting not TÜV-compliant regarding type approval, \*\*above a mounting height of 2.7 m, setting not TÜV-compliant regarding type approval

| Key   | Function                 | Key | Brief description of function                                           |
|-------|--------------------------|-----|-------------------------------------------------------------------------|
| E     | Relay hold interval      | 1   | 0 ms                                                                    |
|       |                          | 2   | <b>50 ms</b>                                                            |
|       |                          | 3   | 200 ms                                                                  |
|       |                          | 4   | 1 s                                                                     |
|       |                          | 5   | 3 s                                                                     |
|       |                          | 6   | 6 s                                                                     |
|       |                          | 7   | 10 s                                                                    |
| F + 1 | Device address           | 1–7 | Address of between 1 and 7 can be selected, <b>factory setting is 3</b> |
| F + 2 | Composition of the floor | 1   | <b>Standard floor</b>                                                   |
|       |                          | 2   | Dark or reflective floor                                                |
|       |                          | 3   | Metal grating*                                                          |
| F + 4 | Synchronisation mode     | 1   | <b>On</b>                                                               |
|       |                          | 2   | Off                                                                     |
| F + 8 | Enhanced levels          | 1   | Restore the factory default setting                                     |

## Settings UniScan

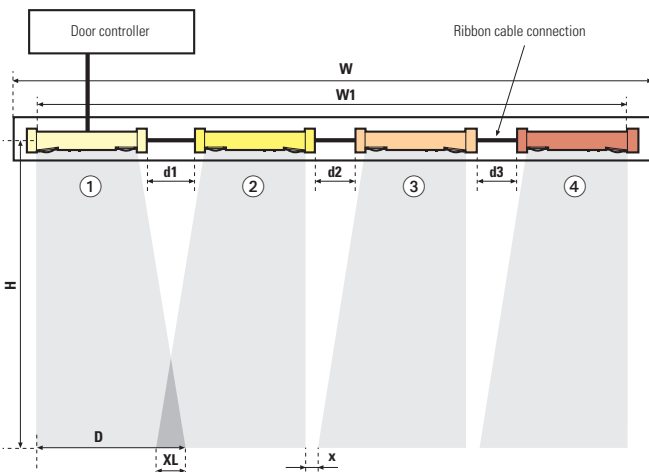


### Area properties



The dimensions of the detection area correspond to a mounting height of 2.2 m

### Positioning



**W** = Profile and door width

**W1** = Monitored area, total area width

**XL** = Area overlap

**x** = Maximum permitted spacing so that standard test body CA (DIN 18650:2005) is still detected.

**H** = Mounting height

**n** = Number of sensors per door panel

**P** = Points on sensor to be deactivated ①

| W   |    | 70 |     |   |    |    |    |   |     |   |    | 80 |    |   |     |   |    |    |    |   |     | 90 |    |    |    |   |     |   |    |    |    | 100 |  |  |  |  |  |  |  |  |  | 110 |  |  |  |  |  |  |  |  |  |
|-----|----|----|-----|---|----|----|----|---|-----|---|----|----|----|---|-----|---|----|----|----|---|-----|----|----|----|----|---|-----|---|----|----|----|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|
| W1  |    | 57 |     |   |    |    |    |   |     |   |    | 67 |    |   |     |   |    |    |    |   |     | 77 |    |    |    |   |     |   |    |    |    | 87  |  |  |  |  |  |  |  |  |  | 97  |  |  |  |  |  |  |  |  |  |
| H   | D  | n  | XL  | P | d1 | d2 | d3 | n | XL  | P | d1 | d2 | d3 | n | XL  | P | d1 | d2 | d3 | n | XL  | P  | d1 | d2 | d3 | n | XL  | P | d1 | d2 | d3 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 170 | 36 | 2  | -16 | 3 | 2  | -  | -  | 2 | -6  | 0 | 12 | -  | -  | 2 | 4   | 0 | 22 | -  | -  | 3 | -16 | 2  | 1  | 1  | -  | 3 | -12 | 2 | 5  | 7  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 180 | 39 | 2  | -20 | 3 | 2  | -  | -  | 2 | -10 | 1 | 12 | -  | -  | 2 | 0   | 0 | 22 | -  | -  | 2 | 10  | 0  | 32 | -  | -  | 3 | -19 | 3 | 3  | 9  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 190 | 41 | 2  | -24 | 4 | 2  | -  | -  | 2 | -14 | 2 | 12 | -  | -  | 2 | -4  | 0 | 22 | -  | -  | 2 | 6   | 0  | 32 | -  | -  | 3 | -24 | 4 | 2  | 10 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 200 | 43 | 2  | -29 | 4 | 2  | -  | -  | 2 | -19 | 3 | 12 | -  | -  | 2 | -9  | 1 | 22 | -  | -  | 2 | 1   | 0  | 32 | -  | -  | 3 | -28 | 5 | 2  | 10 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 210 | 45 | 2  | -33 | 5 | 2  | -  | -  | 2 | -23 | 3 | 12 | -  | -  | 2 | -13 | 1 | 22 | -  | -  | 2 | -3  | 0  | 32 | -  | -  | 2 | 7   | 0 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 220 | 47 | 2  | -37 | 5 | 2  | -  | -  | 2 | -27 | 4 | 12 | -  | -  | 2 | -17 | 2 | 22 | -  | -  | 2 | -7  | 0  | 32 | -  | -  | 2 | 3   | 0 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 230 | 49 | 2  | -41 | 6 | 2  | -  | -  | 2 | -31 | 4 | 12 | -  | -  | 2 | -21 | 3 | 22 | -  | -  | 2 | -11 | 1  | 32 | -  | -  | 2 | 1   | 0 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 240 | 51 | 2  | -46 | 6 | 2  | -  | -  | 2 | -36 | 5 | 12 | -  | -  | 2 | -26 | 3 | 22 | -  | -  | 2 | -16 | 2  | 32 | -  | -  | 2 | 6   | 0 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 250 | 53 | 2  | -50 | 7 | 2  | -  | -  | 2 | -40 | 5 | 12 | -  | -  | 2 | -30 | 4 | 22 | -  | -  | 2 | -20 | 2  | 32 | -  | -  | 2 | 10  | 1 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 260 | 56 | 2  | -54 | 7 | 2  | -  | -  | 2 | -44 | 6 | 12 | -  | -  | 2 | -34 | 4 | 22 | -  | -  | 2 | -24 | 3  | 32 | -  | -  | 2 | 14  | 1 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 270 | 58 | 1  | -1  | 0 | -  | -  | -  | 2 | -49 | 6 | 12 | -  | -  | 2 | -39 | 4 | 22 | -  | -  | 2 | -29 | 3  | 32 | -  | -  | 2 | 19  | 2 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 280 | 60 | 1  | -3  | 0 | -  | -  | -  | 2 | -53 | 6 | 12 | -  | -  | 2 | -43 | 5 | 22 | -  | -  | 2 | -33 | 3  | 32 | -  | -  | 2 | 23  | 2 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 290 | 62 | 1  | -5  | 0 | -  | -  | -  | 2 | -57 | 7 | 12 | -  | -  | 2 | -47 | 5 | 22 | -  | -  | 2 | -37 | 4  | 32 | -  | -  | 2 | 27  | 3 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 300 | 64 | 1  | -7  | 0 | -  | -  | -  | 2 | -61 | 7 | 12 | -  | -  | 2 | -51 | 6 | 22 | -  | -  | 2 | -41 | 4  | 32 | -  | -  | 2 | 31  | 3 | 42 | -  | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |

| W   |    | 120 |     |   |    |    |    |   |     |   |    | 130 |    |   |     |   |    |    |    |   |     | 140 |    |    |    |   |     |   |    |    |    | 150 |  |  |  |  |  |  |  |  |  | 160 |  |  |  |  |  |  |  |  |  |
|-----|----|-----|-----|---|----|----|----|---|-----|---|----|-----|----|---|-----|---|----|----|----|---|-----|-----|----|----|----|---|-----|---|----|----|----|-----|--|--|--|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|--|--|
| W1  |    | 107 |     |   |    |    |    |   |     |   |    | 117 |    |   |     |   |    |    |    |   |     | 127 |    |    |    |   |     |   |    |    |    | 137 |  |  |  |  |  |  |  |  |  | 147 |  |  |  |  |  |  |  |  |  |
| H   | D  | n   | XL  | P | d1 | d2 | d3 | n | XL  | P | d1 | d2  | d3 | n | XL  | P | d1 | d2 | d3 | n | XL  | P   | d1 | d2 | d3 | n | XL  | P | d1 | d2 | d3 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 170 | 36 | 3   | -12 | 2 | 5  | 17 | -  | 3 | -2  | 0 | 15 | 17  | -  | 3 | 8   | 0 | 25 | 17 | -  | 4 | -16 | 3   | 2  | 4  | 17 | 4 | -9  | 1 | 9  | 7  | 17 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 180 | 39 | 3   | -19 | 3 | 3  | 19 | -  | 3 | -9  | 1 | 13 | 19  | -  | 3 | 1   | 0 | 23 | 19 | -  | 4 | -20 | 3   | 20 | 2  | 19 | 4 | -17 | 3 | 5  | 9  | 19 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 190 | 41 | 3   | -25 | 4 | 1  | 21 | -  | 3 | -15 | 2 | 11 | 21  | -  | 3 | -5  | 0 | 21 | 21 | -  | 3 | 5   | 0   | 31 | 21 | -  | 4 | -25 | 4 | 2  | 10 | 21 |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 200 | 43 | 3   | -21 | 3 | 9  | 13 | -  | 3 | -21 | 3 | 9  | 23  | -  | 3 | -11 | 1 | 19 | 23 | -  | 3 | -1  | 0   | 29 | 23 | -  | 3 | 9   | 0 | 39 | 23 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 210 | 45 | 3   | -27 | 4 | 7  | 15 | -  | 3 | -27 | 4 | 7  | 25  | -  | 3 | -17 | 2 | 17 | 25 | -  | 3 | -7  | 0   | 27 | 25 | -  | 3 | 3   | 0 | 37 | 25 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 220 | 47 | 3   | -34 | 5 | 5  | 17 | -  | 3 | -34 | 5 | 5  | 27  | -  | 3 | -24 | 3 | 15 | 27 | -  | 3 | -14 | 1   | 25 | 27 | -  | 3 | -4  | 0 | 35 | 27 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 230 | 49 | 2   | 9   | 0 | 52 | -  | -  | 3 | -40 | 6 | 3  | 29  | -  | 3 | -30 | 4 | 13 | 29 | -  | 3 | -20 | 2   | 23 | 29 | -  | 3 | -10 | 1 | 33 | 29 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 240 | 51 | 2   | 4   | 0 | 52 | -  | -  | 3 | -46 | 6 | 2  | 30  | -  | 3 | -36 | 5 | 12 | 30 | -  | 3 | -26 | 3   | 22 | 30 | -  | 3 | -16 | 2 | 32 | 30 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 250 | 53 | 2   | 0   | 0 | 52 | -  | -  | 3 | -43 | 6 | 9  | 23  | -  | 3 | -42 | 6 | 10 | 32 | -  | 3 | -32 | 4   | 20 | 32 | -  | 3 | -22 | 2 | 30 | 32 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 260 | 56 | 2   | -4  | 0 | 52 | -  | -  | 2 | 6   | 0 | 62 | -   | -  | 3 | -49 | 6 | 8  | 34 | -  | 3 | -39 | 5   | 18 | 34 | -  | 3 | -29 | 3 | 28 | 34 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 270 | 58 | 2   | -9  | 0 | 52 | -  | -  | 2 | 1   | 0 | 62 | -   | -  | 3 | -55 | 7 | 6  | 36 | -  | 3 | -45 | 5   | 16 | 36 | -  | 3 | -35 | 4 | 26 | 36 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 280 | 60 | 2   | -13 | 1 | 52 | -  | -  | 2 | -3  | 0 | 62 | -   | -  | 2 | 7   | 0 | 72 | -  | -  | 3 | -51 | 6   | 14 | 38 | -  | 3 | -41 | 5 | 24 | 38 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 290 | 62 | 2   | -17 | 1 | 52 | -  | -  | 2 | -7  | 0 | 62 | -   | -  | 2 | 3   | 0 | 72 | -  | -  | 3 | -57 | 7   | 12 | 40 | -  | 3 | -47 | 5 | 22 | 40 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |
| 300 | 64 | 2   | -21 | 2 | 52 | -  | -  | 2 | -11 | 0 | 62 | -   | -  | 2 | -1  | 0 | 72 | -  | -  | 3 | -64 | 7   | 10 | 42 | -  | 3 | -54 | 6 | 20 | 42 | -  |     |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |

Measurement in [cm]