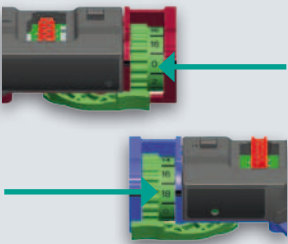
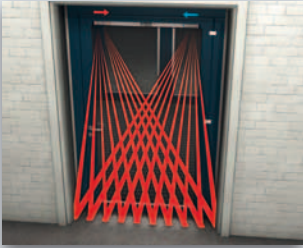
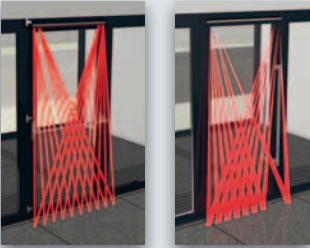
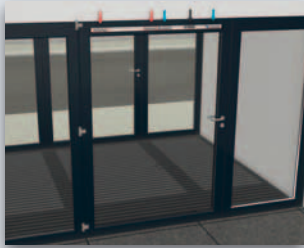


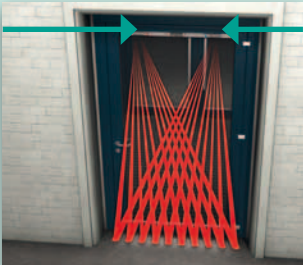



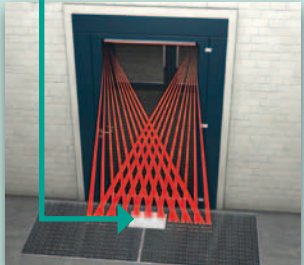
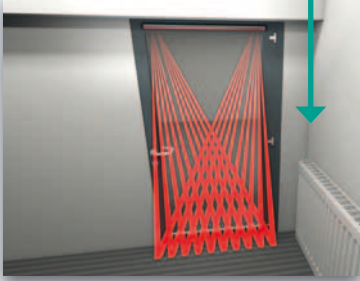
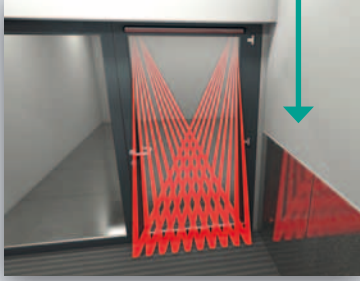
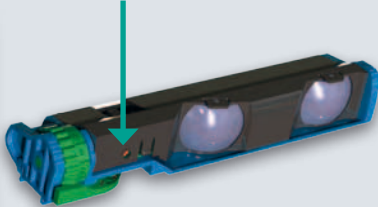
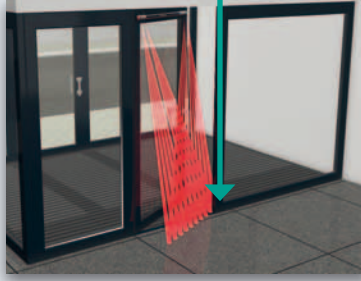
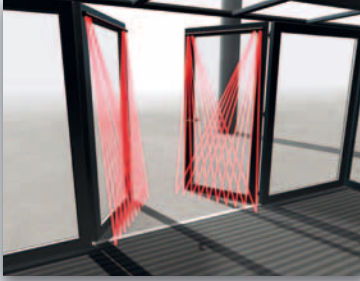
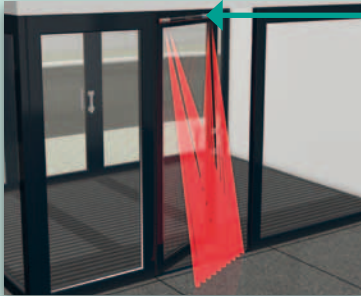


# TIPS AND TRICKS FOR ADJUSTING THE SENSOR DOORSCAN

| PROBLEM                      | TEACH-IN unsuccessful  |  |  |   |  |   |
|------------------------------|--|--|--|---|--|---|
| <p><b>POSSIBLE CAUSE</b></p> | <p>Emitter and receiver are not aligned properly</p>  | <p>Wide doorways are detected</p>   | <p>Door handle or handle bar is in the detection beam</p>    | <p>Several sensor pairs: modules not arranged properly</p>   | <p>Small grate with deep shaft</p>  | <p>Large grate with deep shaft</p>   |
| <p><b>SOLUTION</b></p>       | <p>Set the same inclination angle on both the emitter and receiver modules.</p>  | <p>Move the emitter and receiver modules app. 2 cm to 3 cm inwards.</p>  <p>If Teach-in is still unsuccessful, move each module closer by one more cm.</p> | <p>Horizontal handle bars: Increase inclination angle at emitter and receiver module (e.g., from 6 to 10) and teach-in again.</p>  <p>Vertical handle bars: Move the outer modules so that the handle bar is not detected.</p>  | <p>Rearrange the modules in the following sequence: E/E/R/R. The distance between each pair should be roughly the same.</p>  | <p>Activate Grid mode and teach-in the sensor.</p>   | <p>Activate Grid mode. Place a piece of paper or cardboard (A4 or bigger) on the grid within the detection field, and teach-in.</p>  <p>Remove the paper when the Teach-in process is complete.</p> |

# TIPS AND TRICKS FOR ADJUSTING THE SENSOR DOORSCAN

| PROBLEM                      | Bank LED (green) OFF on the interface after the Teach-in process   |  | Rapidly flashing red LED after the Teach-in process  | Door reverses when closing or does not move   | Door does NOT fully open when reversing  |
|------------------------------|--|--|--|---|--|
| <p><b>POSSIBLE CAUSE</b></p> | <p>Wall Teach-in process incomplete (e.g., protrusion on wall)</p>    | <p>Shiny wall</p>   | <p>No excess gain: background is not reliably identified</p>    | <p>Door frame/post detected on side opposite hinge</p>   | <p>Differing door speeds between opening and reversing</p>    |
| <p><b>SOLUTION</b></p>       | <ul style="list-style-type: none"> <li>■ Increase inclination angle at emitter and receiver module (e.g., from 6 to 10) and teach-in again.</li> <li>■ Reduce door opening speed. Braking parameter may also have to be reduced. Adjust the sensor override if necessary.</li> </ul> | <ul style="list-style-type: none"> <li>■ Increase inclination angle at emitter and receiver module (e.g., from 6 to 10) and teach-in again.</li> <li>■ Reduce door opening speed. Braking parameter may also have to be reduced. Adjust the sensor override if necessary.</li> </ul> | <ul style="list-style-type: none"> <li>■ Inclination angle at receiver module:               <ol style="list-style-type: none"> <li>a) Reduce in stages until the sensor detects something; make a note of the setting.</li> <li>b) Increase in stages until the sensor detects something; make a note of the setting.</li> <li>c) Change setting to the mean of the two values.</li> </ol> </li> <li>■ Activate Boost mode and teach-in the sensor again. <b>Caution!</b> This will increase the sensor response time. Reduce the door speed if necessary.</li> </ul> | <p>Move the module on the main closing edge inwards by approximately 2 cm to 3 cm and repeat the Teach-in process.</p>  | <p>Increase the door speed during the Teach-in process to minimize the discrepancy with the reversing speed. The opening speed may be reduced after the Teach-in process has been completed.</p> |