

AREAL

Frequently Asked Questions

The transmitter – receiver LEDs are not lit up.

- Check the supply voltage at terminal A4 (+24V) and terminal A5 (0V).

The receiver LED is lit up red (protected field is not free) and the transmitter LEDs are lit up.

- Check the alignment. The yellow LED is flashing symmetrically at 2Hz (no functional reserve).
- If deflecting mirror columns are being used, note that there is a decrease in range of approx. 10% per deflection.
- Check the range between transmitter and receiver (see operating instructions).

The receiver switches off sporadically.

- Check whether different AOPDs are mutually disturbing each other's operation (e.g. by being placed one behind the other).
- Check for further interference from outside light.
- Make sure that shielded cables are being used if necessary. Cables < 10m should be shielded. Cables > 10m must be shielded.

The Areal light grid is active (the green LED is lit up on AR) but not enabled.

- Check the wiring between the AOPD and the interface or machine controls to make sure that they are correctly connected to each other.

The yellow LED on the Areal receiver module is flashing to signal an error code.

- Note which operating mode is being used and if the wiring has been done correspondingly.
 - a) Mode without restart interlock and relay monitoring:
 - Bridge B1 to A2
 - If no operator elements (e.g. buttons) are connected, a wire bridge must be implemented in place of the rest contacts for the button.
 - b) Mode with restart interlock and relay monitoring:
 - Bridge C1 to A2
 - Wire the operator elements according to the connection diagram on page 6-3 of the operating instructions.
- Note how often the LED flashes.
 - Refer to the list of error codes in the operating instructions.