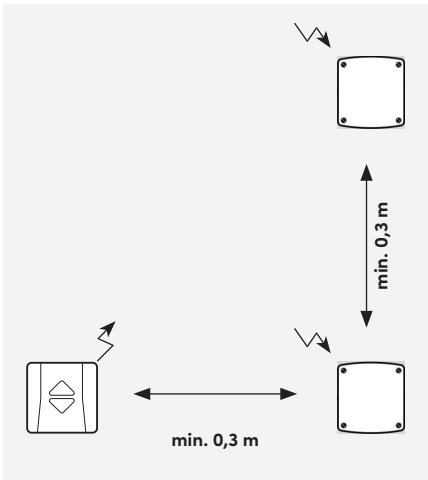


Technical data sheet Radio systems

Installation distance



Quality of life and comfort

Radio systems enable automation at any time with few electrical cables. Rolling shutters, blinds or awnings can be operated at the press of a button, in both inside and outside areas. A wireless solution enhances your quality of life and saves on costs and installation.

Range

Approx. 100 m outdoors

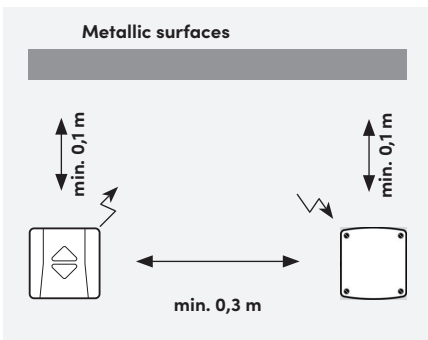
Directly through two brick walls approx. 20 m

The range through reinforced walls and ceilings should be checked by a specialist.

No penetration through metallic surfaces.

In contrast to wire-dependent signals, radio signals can be impaired by external influences. Griesser assumes no liability for the effects of impaired signals

Metallic surfaces



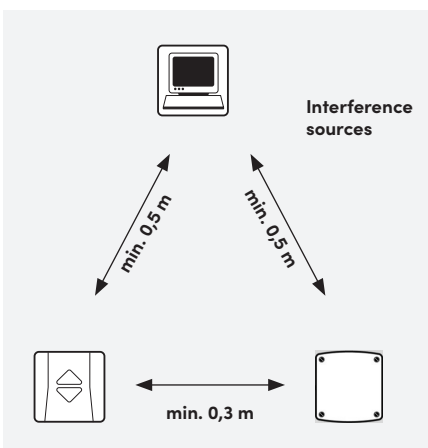
Installation distance

Min. 0.3 m between transmitter and receiver or receiver and receiver.

Min. 0.1 m away from metallic walls and doors.

Min. 0.5 m away from high-frequency interference sources (PC, audio/video systems, microwave appliances, radio telephones, radio loudspeakers and electronic transformers).

If radio waves are excessively damped or reflected, then a guaranteed execution of commands is not always possible. The radio system is primarily suitable for applications for which the reaction to the commands can be observed and can be secured by a second command in case of emergency. These are typically individual, group and central control units inside an a room area that can be seen in its entirety. Applications with controls over building floors or entire buildings are not to be recommended, even with good transmission.



The rear sides of metallic building parts such as columns, ceiling supports, fire doors, electrical cabinets, etc. form radio shadows. Receivers mounted in these kinds of shadows cannot receive any signal on a direct path and must rely on the reception of reflected radio waves. This must be taken into account for their placement. The installation site of wall transmitters is to be established after the receiver has been commissioned. Metal surfaces are not suitable as a base for them to be placed on. Transmitters that are intended to handle central tasks should also be placed in as central as position as possible. Unfavorable transmission paths traveling diagonally through buildings should be avoided.

Key

⚡ = Wireless transmitter

⚡↓ = Wireless receiver