

Radio data transmission system DFS

For wireless integration / activation of distant components

With the radio data transmission system DFS components which are distant or difficult to access are integrated into the heliport lighting system. For example obstruction lights, heliport beacons or each other component of the lighting system can be activated and monitored also when they are installed at distant buildings, roofs, towers, cranes etc.

Description

- Radio data transmission with a transmission range of up to 5 km (70cm-ISM-band, charge- & registration-free)
- Bi-directional communication between up to 5 substations (1 Master; 4 substations)
- Radio frequency adjustable
- Safe transmission: in case of failure of the connection, e. g. power failure at the partner) the switching status remains
- Output of the status in case of connection failure
- Signal transmission can be delay up to 5 seconds
- Omnidirectional antenna with 2 m antenna cable (usually mounted at the bottom of the switch cabinet, optionally: antenna with longer cable mountable separated from the switch cabinet)

Before installation it is necessary to check the transmission quality at site. Obstructions between Master and substation can decrease the transmission range or can interrupt it completely. It is recommended to have a line of sight between the master antenna and the antenna of each substation.

Technical data:

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| ■ Input voltage: | 230 V AC |
| ■ Operating temperature: | -20 ... +50°C |
| ■ Housing | Sheet steel or stainless steel |
| ■ Colour: | Powder-coated RAL7035 other colours on request |
| ■ Degree of protection: | IP54 |
| ■ Rain roof: | Optionally |
| ■ Dimensions (HxWxD): | 300x400x210mm (min.) |
| ■ Weight: | Approx. 10 kg (depending on configuration) |
| ■ Frequency range: | 433.125 ... 434.7 MHz (in steps of 25 KHz) |
| ■ Transmitting power: | 10mW |

