

## Radio Controller RALS-4201

Remote control for the heliport lighting system, activated by the helicopter pilot via radio

With the Radio Controller RALS-4201 the complete lighting system or single components of it can be controlled directly from the heliport pilot.

Therefore three switching commands at a fixed frequency are received by the device and given out by dry contacts. The receiver works in a frequency band between 118.000 and 136.975 MHz according to FCC Part 15 in amplitude modulation.

The switching commands are activated by pushing the mike button at the radio transceiver in the helicopter several times within 3-5 seconds.

3 clicks: 1st switching command; 5 clicks: 2nd switching command; 7 clicks: 3rd switching command (more switching commands on request)

Usually the three switching commands are provided for the low, medium and high light intensity of the edge and approach lights of the heliport. For the use in the heliport lighting system only two commands for transmission of the on- and off-commands are necessary because the light intensity regulation is carried out automatically.

### Technical data

■ Frequency	118.00 – 136.975 MHz
■ Frequency channels	760
■ Channel distance	25 kHz
■ Memory cells	99
■ Sensitivity	< 1.5 µV per 6 dB (S+N)/N
■ Bandwidth	> 8 kHz per 6 dB
■ Selectivity	> 60 dB per 25 kHz
■ Antenna	ground plane, 18 – 136 MHz, 50 Ohm
■ Outputs	3 (dry contacts)
■ Programmable outputs	pulse or 15 min. time delayed closed contact
■ Operating temperature	-20°C ... + 55°C
■ Operating voltage	120 / 230 V AC 50/60 Hz
■ Power consumption	50 VA
■ Degree of protection	IP 55
■ Weight	5.0 kg
■ Housing	sheet steel, powder-coated RAL7035
■ Accessories	antenna, cable and connectors

