

BNK

Aircraft Detection Lighting System for Wind Parks

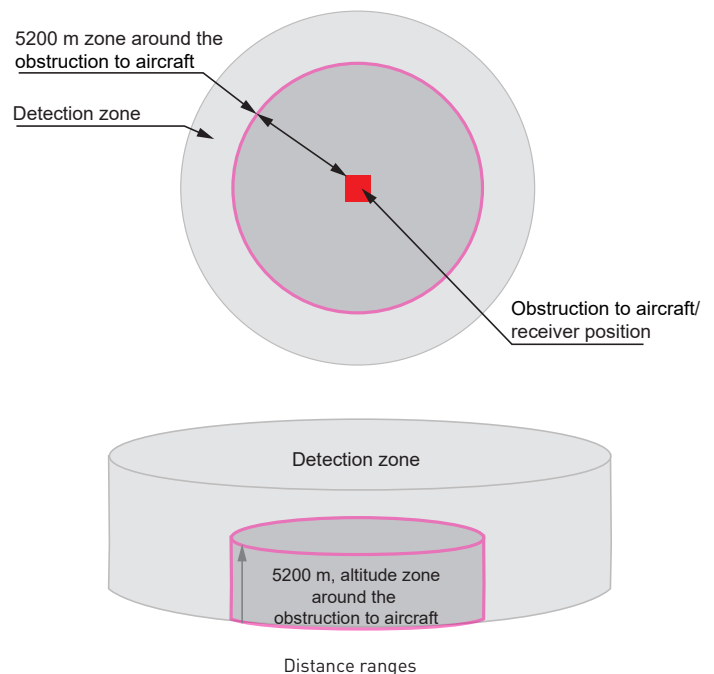
Overview

The Becker Avionics BNK solution is a transponder-based system and allows the simple and cost-effective fulfillment of the new General Administrative Regulation AVV according to Annex 6 to the demand-controlled night identification of aviation obstacles.

The solution is characterized by the minimized installation effort, the simple and safe configuration via web interface and the small size.

Features

- Robust technology
- Small size
- Minimized installation effort
- Self-diagnosis
- Easy integration into new or existing systems
- Remote control and diagnostics via Ethernet
- Logging of detected aircrafts
- Secure configuration via web interface
- Configurable radius and height for the activation zone around the obstruction



Technical Data

The Becker Avionics BNK solution enables on-demand night-time identification of aviation obstacles according to AVW Annex 6 on the basis of a secondary radar solution.

Becker Avionics Certification: DIN EN ISO9100:2018 CERT Reg.-No. 12 210 20985 TMS.

BNK	Specification
Receivable frames	Mode A/C Mode S (DF0, DF4, DF5, DF11, DF16, DF17, DF20, DF21)
Logging and diagnostic range	min. 30 days
Inputs	
Configuration and diagnostics interface	Ethernet / Web
External activation	Control input IEC 61131-2
Antenna 1090 MHz	Mode S, Mode A/C
Power supply	24 VDC
Outputs	
System OK	max 30 V, 100 mA
Signal Light OFF	max 30 V, 100 mA
Environmental conditions	
Operating temperature	-30...50 °C
Humidity	max. 95% non-condensing
Lightning protection	LPZ 2
Dimensions	
Housing	ca. 160 x 160 x 100 mm

