

## DOUBLE LIGHT BARRIER DLB 200 / 100



### APPLICATION

- Long - range one - way light barriers in a small robust design for use in alarm systems outdoors and indoors
- DLB 200 is a configuration of two light barriers LB 200 adapted in a common case
- Other configurations, cases and OEM versions according to specification

### FEATURES

- Giant transmission & receiving angles of 8°
- Therefore ideally suitable for hidden installation at the simplest assembly - without adjusting equipment: Installation + Switch On = O.K.
- Technical range: 400 m (DLB 200) 200 m (DLB 100)
- Recommended operating range: 200 m (DLB 200) 100 m (DLB 100)
- This guarantees sufficient energy reserves even under unfavorable conditions, for example smoke, fog, snow and pollution
- Insensitive against sunlight and other light sources
- Reliable operation in case reflecting areas
- Alarm activation is only carried out when both light barriers go into the alert at the same time

## TECHNICAL DATA DLB 200 / DLB 100

operating range DLB200	up to 200m outdoors otherwise up to the technical maximum range of 400 m
operating range DLB 100	up to 100 m outdoors otherwise up to the technical maximum range of 200 m
transmission angle	approx. 8°
receiving angle	approx. 8°
operating voltage	12 V DC (9 ... 15 V) <i>optional</i> 24 VDC <i>optional</i> 230 VAC
power input at 12 VDC	transmitter < 50 mA receiver < 40 mA
number of transmission/receiving channels	four / <i>optional</i> eight, simultaneous operations possible
alarm output	sum alarm, potential-free contact assembly, switchover contact with 10 Ohm series resistor <i>optional</i> (without sum alarm) two potential free contact s
alarm holding time	approx. 1 s or as long as the alarm conditions exist <i>optional</i> alarm holding time according specification
alarm display	red LED internally, is illuminated in cases of alarm time as alarm holding time
fault output	npn transistor output, max. 50 mA normally HIGH (approx. 12 V), will become LOW when a fault occurs (approx. 0 V)
Ambient temperature	- 25 up to + 65°C
defroster or demister	thermostat-controlled
cut-in/cut-out temperature	approx. +5 ... +10°C
heating voltage	12 V DC (9 ... 15 V)
power input heating	approx. 60 mA (Transmitter or Receiver)
casing	glasfiber-reinforced polyester, gray
degree of protection	IP 65
dimensions (WxHxD)	75 mm x 230 mm x 75 mm