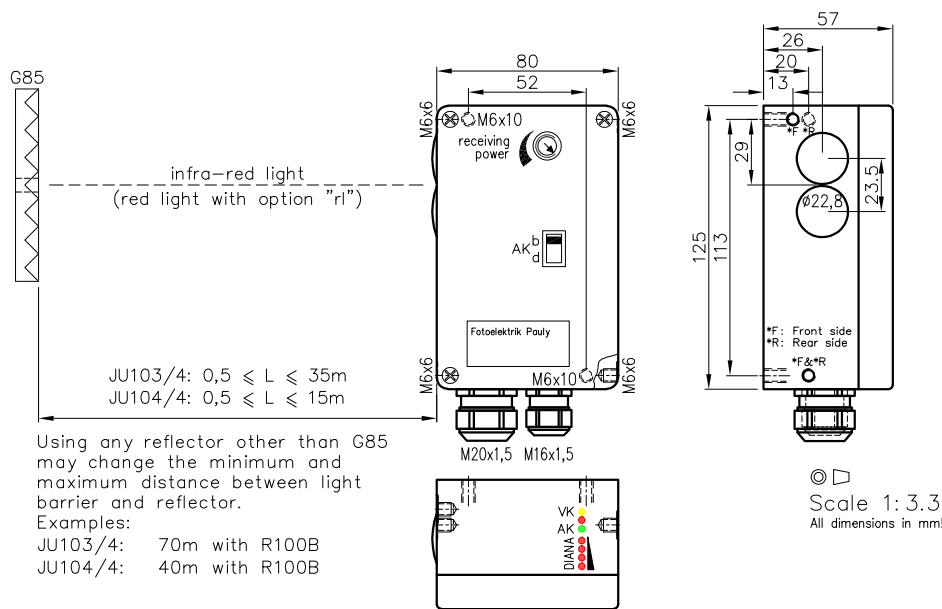
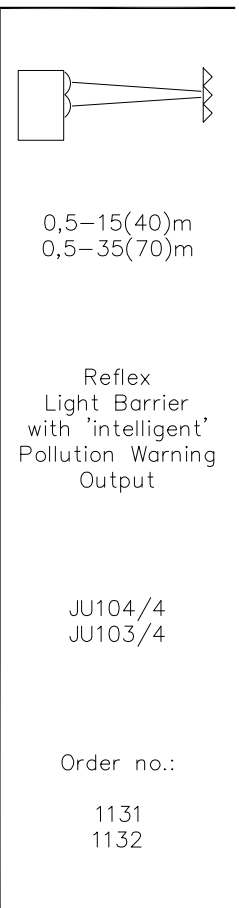


## (Infra-)Red-Light Reflex Light Barrier Types JU104/4 & JU103/4 with 'intelligent' Pollution Warning Output

0,5–15(40)m  
0,5–35(70)m

Reflex Light Barrier with 'intelligent' Pollution Warning Output

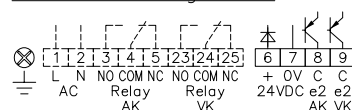
JU104/4  
JU103/4

Order no.:  
1131  
1132

### Technical characteristics:

Housing	Al-Cast
Weight	approx. 700g
Protection mode	IP65
Connection	Terminal block
Supply	24VDC/80mA without load
Output	2x pnp 60mA s.-c.-prot., e2 bright-/darkswitching, selectable (only AK)
Signal mode	
Transmitter light	LED 850...880nm, invisible
Steady light	JU103/4: >80kLx
resistance	JU104/4: >100kLx
Interference suppressor	Force synchronization
Access time	<12ms/switch transition
Switching rate	electron.: 40/s; Relay: 10/s
Light beam diameter	approx. 130mm/10m
Switch indicator	LED's green, red & yellow
Level indicator	4x LED red
Ambient temperature	-25...+60°C

### Connection diagramm:



### Features:

Connection	Plug, no.-cable
Supply	230VAC, 115VAC, 42...48VAC
Output	2x Optocoupler 60V/50mA, e1 2x Relay 250VAC/10A, 2500VA, 1xCh, R
Access time	"q": <2ms/switch transition
Switching rate	"q": 300/s, Relay: 10/s
Transmitter light	Red light 650nm, visible light spot, rl
Time delay	Switching-on-off-delay, separately adjustable (only AK), z...
Heat-protected transductor system, p1	
If using cooling water flange, then milled wall, y	

### Notes:

Outputs: The switching equipment for the Pollution Warning Output (VK, yellow LED) is switched if, subsequent to an interruption in light beam (red LED on) and the light path being free again (AK, green LED on), dirt or clogging causes the signal level to be under five times the minimum level (red and green LED on) and the light beam is then interrupted again. At this point in time, the light barrier is still fully functional. As soon as dirt has been removed (green LED on, red LED off), the dirt indicator (yellow LED) switches off.  
Terminal blocks: Cage clamp; Stripped conductor length 8...9mm; Conductor cross section 0,25...2,5mm<sup>2</sup> (with insulated ferrule up to 1,5mm<sup>2</sup> only); actuated by screwdriver 2,5x0,4mm.

### Accessories:

- Reflector
- Diaphragms
- Adjustment flange JF26H
- Heavy adjustment flange R26SH
- Elbow tube adjustment AD26SS1 or AD26SS2
- Cooling water flange KW26
- Dust protection tube TUB75 with adapter plate
- Integrated protection system KJT.. or KRT26\*

\* Including: cooling by water, adjustment, anti dust tube (optional: diaphragms, optical filter)