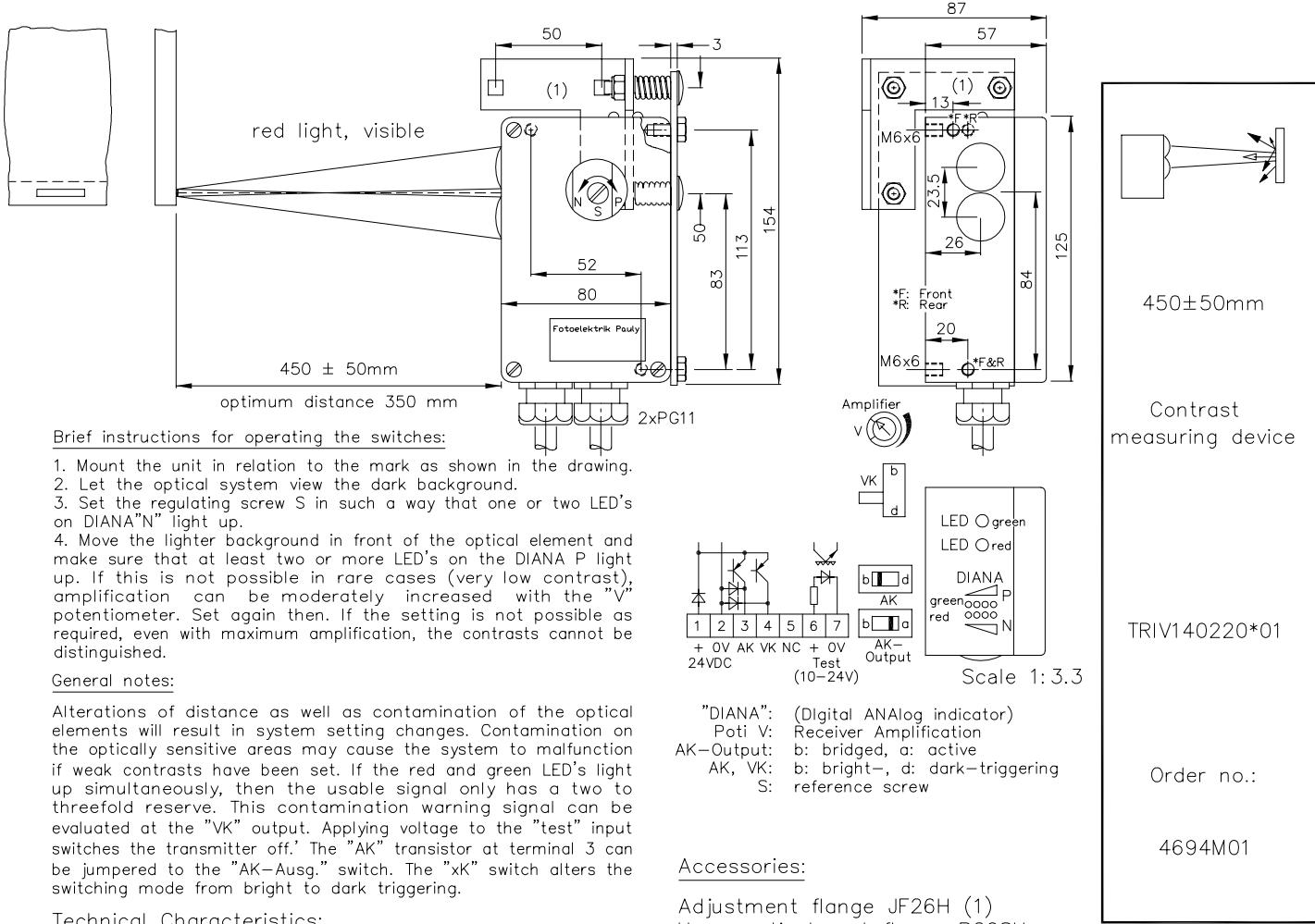


Contrast Measuring Device Type TRIV140220*01



Brief instructions for operating the switches:

1. Mount the unit in relation to the mark as shown in the drawing.
2. Let the optical system view the dark background.
3. Set the regulating screw S in such a way that one or two LED's on DIANA "N" light up.
4. Move the lighter background in front of the optical element and make sure that at least two or more LED's on the DIANA P light up. If this is not possible in rare cases (very low contrast), amplification can be moderately increased with the "V" potentiometer. Set again then. If the setting is not possible as required, even with maximum amplification, the contrasts cannot be distinguished.

General notes:

Alterations of distance as well as contamination of the optical elements will result in system setting changes. Contamination on the optically sensitive areas may cause the system to malfunction if weak contrasts have been set. If the red and green LED's light up simultaneously, then the usable signal only has a two to threefold reserve. This contamination warning signal can be evaluated at the "VK" output. Applying voltage to the "test" input switches the transmitter off. The "AK" transistor at terminal 3 can be jumpereed to the "AK-Ausg." switch. The "xK" switch alters the switching mode from bright to dark triggering.

Technical Characteristics:

Housing	cast aluminium
Weight	ca. 650 g
Protection mode	IP65
Connection:	terminal block
Power supply	24VDC/60mA without load
Control output	pnp 60mA, s.c.-prot e2
Mode of operation	internal reference
Reference adjustment	Reference screw's light channel
Transmitting light	GaAs 650nm, visible, rl
Constant light resistance	>80kLx
Interference suppression	forced synchronisation
Access time	<12ms/switch transition
Switching rate	~40/s
Switch indicator VK/AK	LED, red / green
Level indicator	DIANA P & DIANA N
Ambient temperature	-25...+60°C

Special versions:

E 4694 1 1 E 4694 0 2 E 18 09 02 E 18 02 05 Sendelicht	"q": <2ms/ switch transition "q": ~300/s GaAs 880nm, invisible, ir
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Applications:

Paper break monitoring on drying screen
Recognition of printed marks

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Accessories:

Adjustment flange JF26H (1)
Heavy adjustment flange R26SH
Elbow tube adjustment AD26SS1 or AD26SS2
Cooling water flange KW26
Anti-dust tube TUB75 incl. adapter
Diaphragms,
Special filters

The keys:

T: Reflex Sensor
R: Reference mode
I: Internal Ref.
14: Housing R26
O: Optical element 22.8/42
2: Number of optical elements
1: Type of transmitter & receiver
0: no additional control unit

