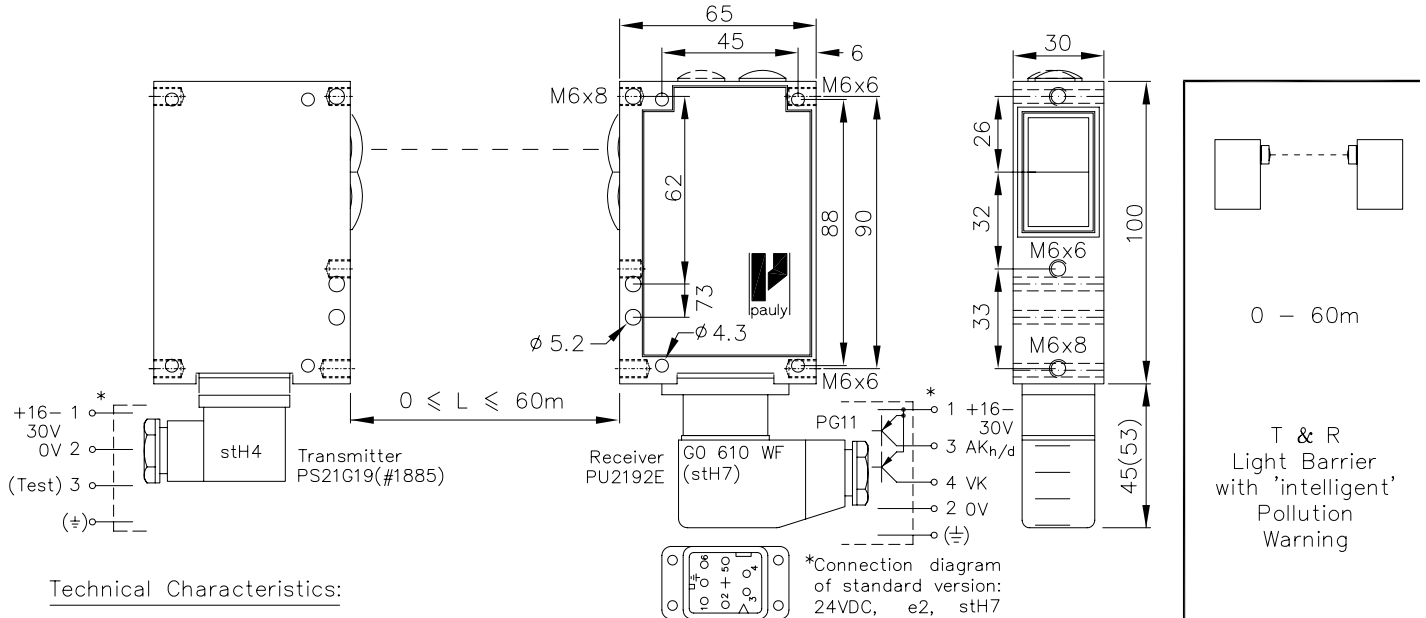


## Transmitter-Receiver Light Barrier Type PU2192 with 'intelligent' Pollution Warning Output

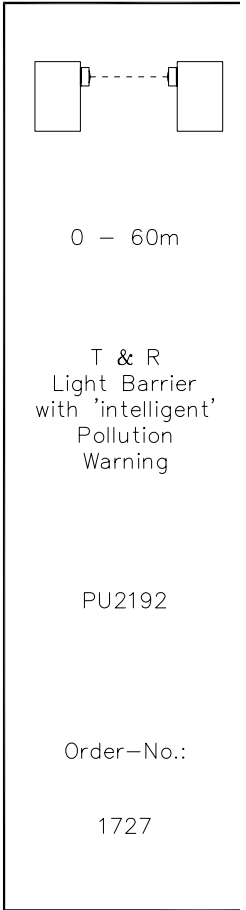


### Technical Characteristics:

Housing	Al-Cast
Weight	2xapprox. 350g
Protection mode	IP65
Connection	Transmitter: 6+1 pole Plug stH7 Receiver: 3+1 pole Plug stH4
Supply	Transmitter: 24VDC/30mA without load Receiver: 24VDC/50mA
Output	pnp 60mA s.c.-prot., e2
Signal mode (AK)	bright/dark selectable
Transmitter light	LED 880 nm, invisible
Steady light resistance	>80kLx
Light beam dia.	approx. 2800mm/50m
Access time	~5ms on; <1ms off
Switching rate	>100/s
Switch indicator	LED's, Receiver
Working indicator	LED's, Transmitter
Ambient temperatur	-30...+80°C (100°C)*

### Special Design:

Connection	4-pole Plug stLU4 4+1 pole Plug stA5 6+1 pole Plug stA7 6+1 pole Plug stH7 4+1 wire No.-cable K5 different supply on request
Supply	nnp 60mA sc-prot., e3
Output	"q": <2ms/transition
Access time	"q": 300/s
Switching rate	0-10s, on-off-delay, separately adjustable, Z10
Time delay	DIANA. i
Level indicator	Heat-protected optical system, pl
Heat-protected optical system, pl	If using cooling water flange, then milled wall, y
Testable by turning off transmitter, ta	



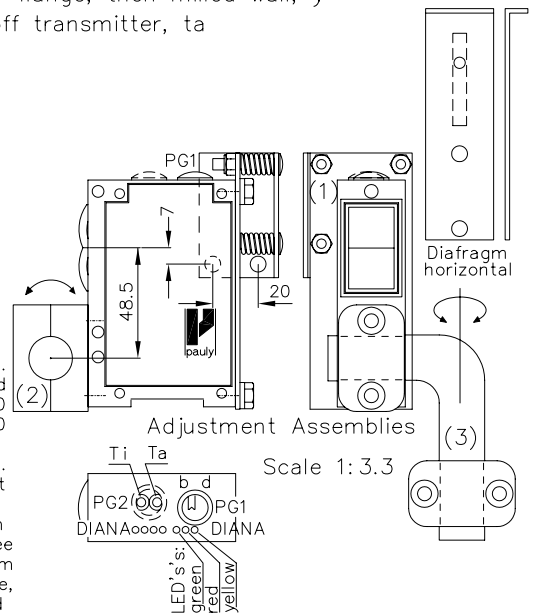
### Accessories:

- Diafrags
- Optical Filters
- Adjusting flange JF19H (1) resp.
- Elbow tube adjustment JR19(2&3)
- Cooling water flange KW19
- Anti heat shield & anti dust tubes (K)JT19

**Hints:** The bright-dark switching is standard. This switch is accessible by removing the blanking screw designated 'PG1'. Switching to bright means that the output circuit of the main contact element (here the pnp transistor) is operated when the light emitted from the transmitter reaches the receiver. The switching indicator - LED (green) - for the main contact element always lights up when the light path is free. The turn-on (Ti) and turn-off delay (Ta) for the main contact element is available on request. The delay times are increased by adjusting in a clockwise direction the potentiometer located under the PG2 screwing. The adjustable time range lies between approx. 0 and approx. 10 seconds. Alternatively, the following time intervals are available on request: 1 sec., 3 sec. and 20 sec.

The level indicator "DIANA" (Digital ANalogue Anzeige - digital analog indicator) is also optional. DIANA indicates approximately 20-fold to 25-fold levels above the response threshold. It is not necessary for all DIANA LEDs to light up in order for the light barrier to function perfectly! The switching equipment for the pollution warning (VK, yellow LED) is switched through when, subsequent to an interruption in light beam (red LED on) and the light path being free again (green LED on), dirt or clogging causes the signal level to be under five times the minimum level (red and green LEDs on) and the light beam is then interrupted again. At the point in time, the light barrier is still fully functional. As soon as the dirt has been removed (green LED on, red LED off), the dirt indicator (yellow LED) switches off.

\*EC 172x 1.TXT\*



1727 DE (17.02.05 m.j)  
1727 1 (14.04.05 m.j)  
E 1727 1 (24.06.96 tb)  
(09.01.03 gs)