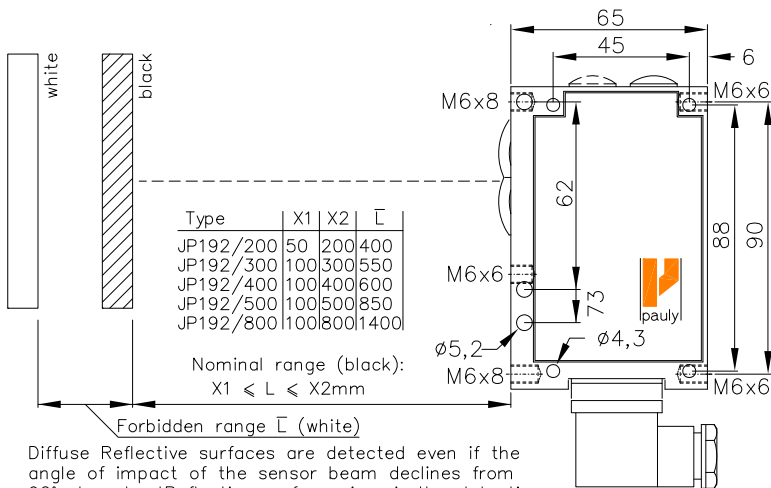
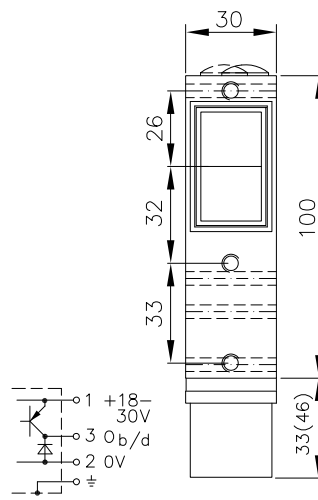


Diffuse-Reflective Sensor with passive Background Response Suppression

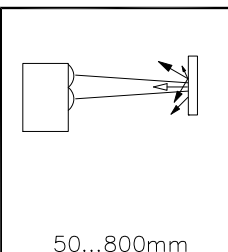
Type JP192/X[mm]



Diffuse Reflective surfaces are detected even if the angle of impact of the sensor beam declines from 90° strongly. *Reflective surfaces impair the detecting quality. * However, Reflective surfaces can be detected beyond the "forbidden" distance L; the sensor should be mounted in a tilted position.



Connecting diagram of standard version: 24VDC, e2, i, stH4



50...800mm

Diffuse-Reflective Sensor with passive Background Response Suppression

JP192/200
 JP192/300
 JP192/400
 JP192/500
 JP192/800

Order no.:

1261
 1265
 1262
 1266
 1267

Technical Characteristics:

Housing: Al-Cast
 Weight: approx. 350g
 Protection Mode: IP65
 Connection: 3+1 pin Plug stH4
 Supply: 24VDC/40mA without load
 Output: pnp 60mA s.c.-prot., e2
 Signal mode: bright-/darkswitching selectable
 Transmitter light: LED 880 invisible
 Steady light resist.: >80kLx
 Interference Suppressor: Force synchronization
 Light beam diameter: approx. 70mm/800mm
 Access time: <12ms/switch transition
 Switching rate: 40/s, Relay: 10/s
 Switch indicator: LED green
 Level indicator: 4x LED red (DIANA, i)
 Ambient temperatur: -20...+60°C
 Amplification adjustable with potentiometer "E"

Features:

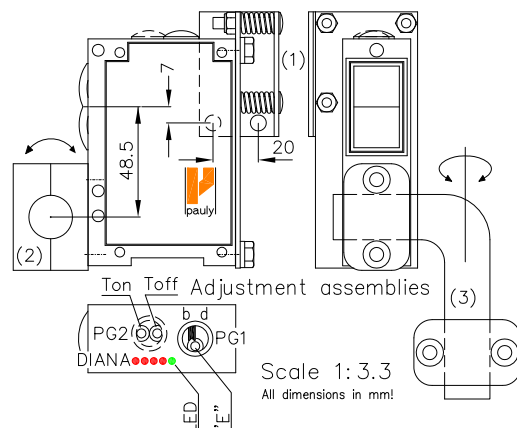
Connection: 4 pin Plug stLU4, 4+1 pin Plug stA5, 6+1 pin Plug stH7, 3+1 wire no.-cable K4
 Supply Output: 230V, 115V, 42...48V, 24V AC, npn 60mA s.c.-prot., e3
 Optocoupler 60V/50mA, e1
 Relay 240VAC/5A, 120W/1200VA, 1xCh, R
 Access time: "q": <2ms/switch transition
 Switching rate: "q": 300/s, Relay 10/s
 Time delay: 0-10s, switching-on-off-delay, separately adjustable, z10
 Heat protected transducer system, pl
 If using cooling water flange, then milled wall, y

Accessories:

Diaphragms, special filters
 Adjustment flange JF19H (1)
 Elbow tube adjustment JR19 (2&3)
 Cooling water flange KW19
 Heat shield & anti dust tube (K)JT19

Hints:

Selection of bright/dark switching mode is standard. The selection switch can be reached after removing the blanking screw designated 'PG1'. Bright switching means that the output (here the pnp transistor) is operated when the transmitter light is received by the receiver after being reflected by the reflector. The switch indicator LED (green) for the working contact always lights when the output is energised. The on- (Ti) and off- (Ta) delay are optional. Turning the controls behind 'PG2' clockwise increases delay times. The delay time range is between approx. 0 and 10 secs. Other delays are available on request. 1sec, 3secs and 20secs. The level indicator 'DIANA' (Digital ANALog indicator) is optional, too. DIANA shows the level approx. 20 to 25 times above the threshold signal. For proper operation of the light barrier it is not necessary to have all DIANA LEDs on!



1261 DE (18.02.05 mi)
 E_1261 1 (08.05.14 tb)
 (15.02.96 tb) 14.05.14 tb
 (15.01.03 gs)