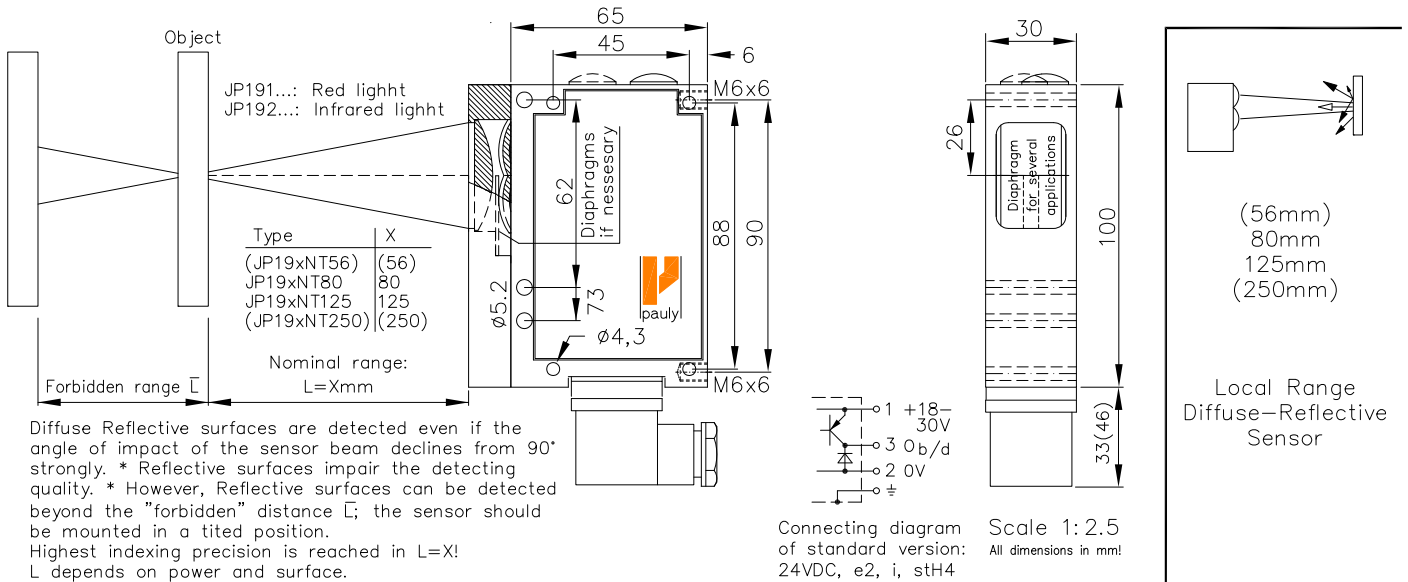


(Infra-)Red-Light Local Range Diffuse-Reflective Sensor

Types JP191NTx & JP192NTx



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	JP191NT:LED 650nm, visible JP192NT:LED 880nm, 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

Features:

Connection	4 pin Plug stLU4 4+1 pin Plug stA5 6+1 pin Plug stH7 3+1 wire no.-cable K4
Supply	230V, 115V, 42...48V, 24V AC
Output	nnp 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	

Order no.:

1361
1362

Accessories:

- Diaphragms, special filters
- Adjustment flange JF19H (1)
- Elbow tube adjustment AD19SS1
- Cooling water flange KW19

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!

