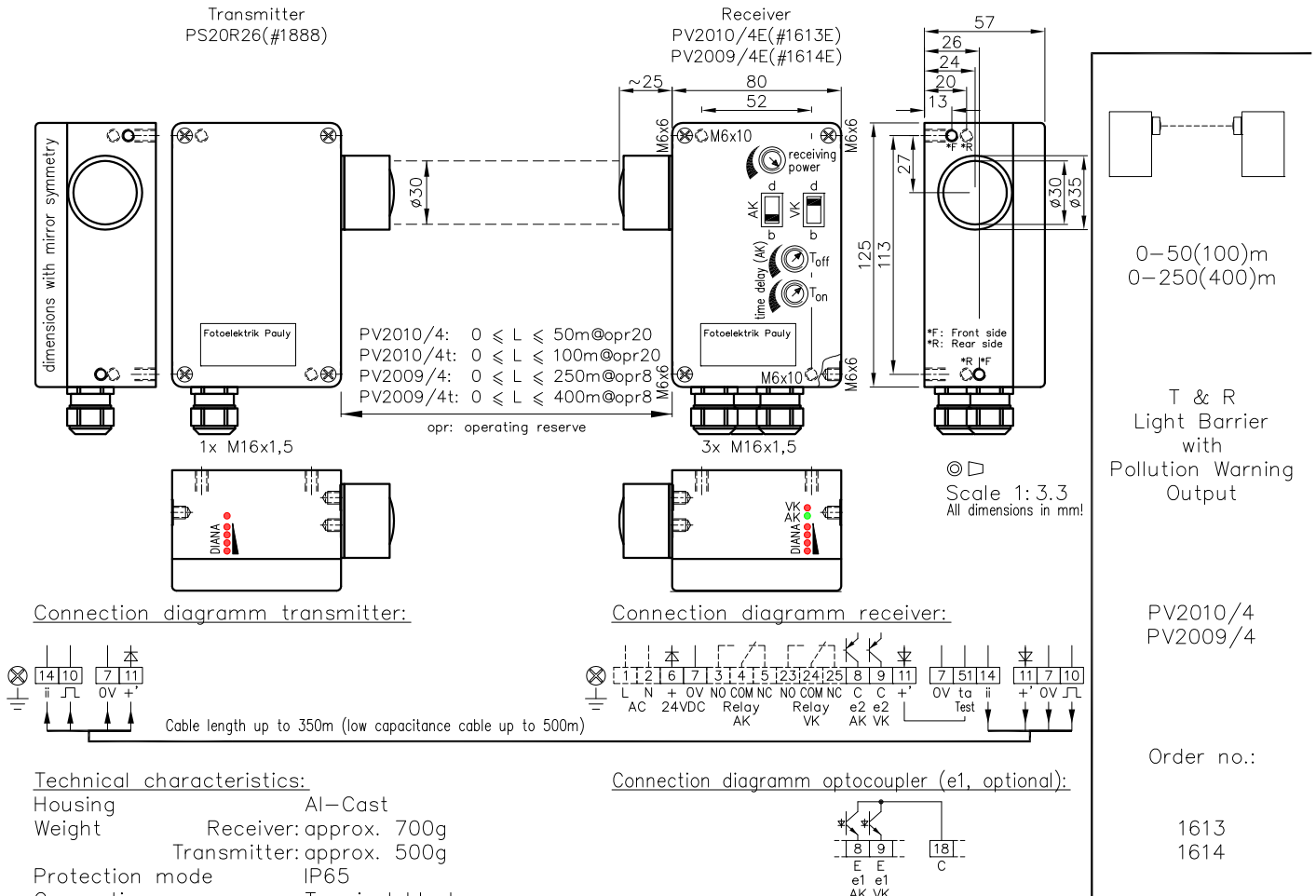


Transmitter-Receiver Light Barrier Types PV2010/4 & PV2009/4 with Pollution Warning Output



Connection diagram transmitter:

Connection diagram receiver:

Connection diagram optocoupler (e1, optional):

Technical characteristics:

Housing	Al-Cast
Weight	Receiver: approx. 700g Transmitter: approx. 500g
Protection mode	IP65
Connection	Terminal block
Supply	24VDC/80mA without load
Output	2x pnp 60mA s.-c.-prot., e2
Signal mode	bright-/darkswitching, selectable
Transmitter light	LED 850...880nm, invisible
Steady light resistance	PV2009/4: >80kLx PV2010/4: >100kLx
Interference suppressor	Force synchronization
Access time	<12ms/switch transition
Switching rate	electron.: 40/s; Relay: 10/s
Switch indicator (receiver)	LED's green & red
Working indicator (transm.)	LED red
Level indicator (t & r)	4x LED red
Ambient temperature	-25...+60°C
Testing by transmitter blanking,	ta

Accessories:

- Diaphragms BLd35...
- Optical filters
- Adjustment flange JF26H
- Heavy adjustment flange R26SH
- Elbow tube adjustment AD26SS1 or AD26SS2
- Cooling water flange KW26
- Anti dust tube TUB46
- Integrated protection system KJT26 or KRT26*

* Including: cooling by water, adjustment, anti dust tube, diaphragms, optical filter

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
Time delay	Switching-on-off-delay, separately adjustable (only AK), z...

If using cooling water flange, then milled wall, y
Heatprotected transducersystem, pl
Teleobjectives, PV20../4t

Notes:

Outputs: The switching equipment for the Pollution Warning output (VK, set to dark [d], red LED) is switched on if the signal level is less than five times of the minimum level of the main contact level (AK, green LED).

Terminal blocks: Cage clamp; Stripped conductor length 8...9mm; Conductor cross section 0,25...2,5mm² (with insulated ferrule up to 1,5mm² only); actuated by screwdriver 2,5x0,4mm.

Testing function ("ta", terminal 51): Transmitter activated by +24V; Transmitter deactivated by 0V or nc. To use this function remove wire bridge between terminal 11 & 51.

1613 DE (18.01.00 tb)
E_1613_1 (07.01.03 gs)
(20.07.95 tb)
(21.06.96 tb)
(05.11.14 tb)
(07.11.17 tb)
(03.05.18 tb)
(25.05.05 tb)
(27.10.10 tb)
(06.09.11 tb)
(04.12.13 tb)
(04.12.13 tb)
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