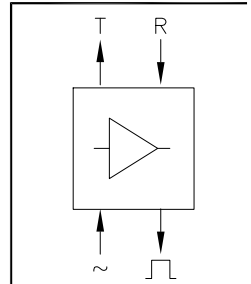
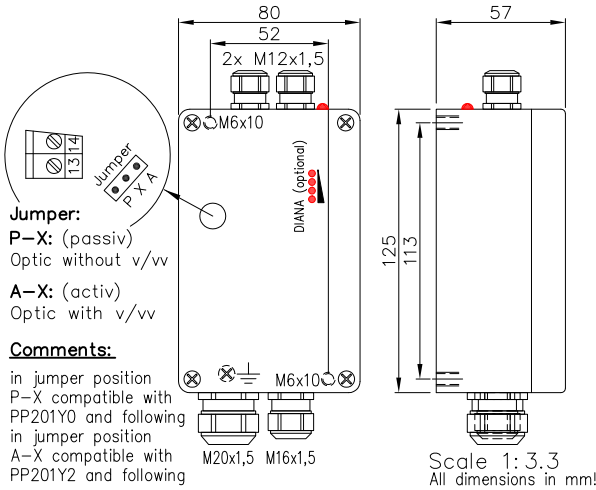


Control Unit Type PP201Y0-2 for 1 Optic Head (Pair)

Y=0: without-; Y=1: with driver stage or pre-amplifier

Digit position in Typification	Valence of Position	0	1	2	3	4
1 Type of Device				Control unit for ext. OH		
2 Number of Light-barriers and Type of Housing		R26	R27	R27	R57	R57
3 Mode of Operation		async minimal 2 LB	sync from 1 LB	mpx minimal 2 LB		
4 Performance, y		standard	high			
5 El. Design of Optics & max length of shielded cables		without dr. stage or preamp 2 x 4m	like 5.0 special output	with driver stage or preamp 2x 40m		



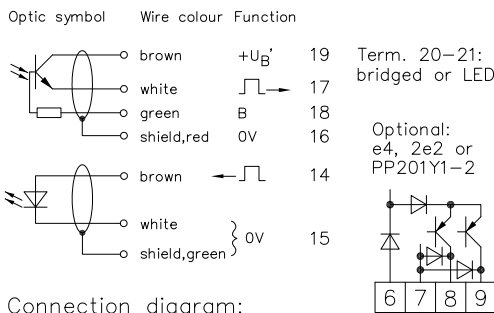
Optic Head (Pair) Control Unit

PP20100-2
 PP20110-2
 PP20101-2
 PP20111-2

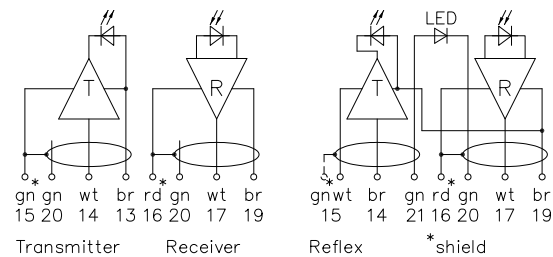
Order no.:

2001
 2002
 2003
 2004

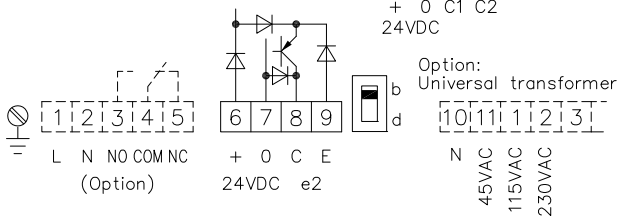
Connection of Optical Units without v/vv:



Connection of Optical Units with v/vv:



Connection diagram:



Options:

- Connection 6+1 pin plug stBi7
5+1 lead no.-cable K6
- Connection Transm. 3 pin plug stB3
Receiver 4 pin plug stB4
- Supply 230VAC, 115VAC, 42VAC, 24VAC
230/115/45VAC with universal transformer
- Output Relay 250VAC/10A, 2500VA, 1xCh., R
npn 60mA s.-c.-prot., e3
Optocoupler 60V/50mA, e1
also 2xe2 or 2xe3 or antival. e4 or e5
"q": <2ms/switch transition
Switch frequency "q": 300/s, Relay: 10/s
Time delay 0-10s, switching-on-off-delay, separately adjustable, z10
- Level indicator DIANA, i
DIANA-distribution for Optics, i-i (only for optics with v/vv and option 'ii')
Driver for external DIANA, i-i3x or i-i5x
switching off by means of a potential free contact
- Test function

Technical Characteristics of minimum version:

Housing	Al-Cast
Weight	approx. 700g
Protection mode	IP65
Supply	24VDC/~60mA without load
Output	pnp 60mA s.c.-prot., e2
Signal mode	bright-/darkswitching selectable
Steady light resistance	>80kLx
Interference suppression	forced synchronization
Access time	<12ms/switch transition
Switching frequency	Relay: 10/s; electron.: 40/s
Switch indicator	LED
Power reserve	Y=0: >4000/0m betw. T & R Y=1: >50000/0m betw. T & R
Ambient temperature	-25...+60°C

Important:

Permitted cable length for optic heads max. 4 m (optic heads without v/vv), 40 m (optic heads with v/vv)!* As far as possible, do not lay transmitter cable parallel to receiver cable. * Close staggering of several light beams only allowed with multiplex systems (X=2). * Do not use relay contacts for PLC inputs.* If possible, use optic heads with appendix 'v' or 'vv' only. *If using transmitter with appendix 'v' or 'vv', the jumper which is positioned diagonally in front of terminal 13 must be moved into position A-X. *In case of using a Reflex optic head with appendix 'v' or 'vv', please read the "Connection Regulations for Reflex Optic Head".

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