PAULY

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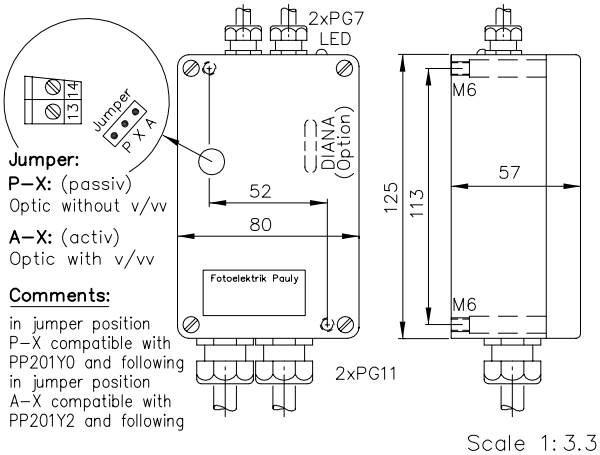
Control Unit Type PP201Y0-2 for 1 Optic Head (Pair)

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

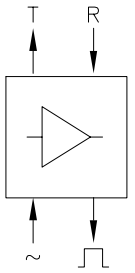
Digit position in Typification \ Valence of Position	0	1	2	3	4
1 Type of Device			Control unit for ext. OH		
2 Number of Light-barriers and Type of Housing	1 R26	1 R27	2 R27	3 R57	4 R57
3 Mode of Operation	async minimal 2 LB	sync from 1 LB	mpx minimal 2 LB		
4 Performance, y	standard	high			
5 El. Design 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		



Jumper:
P-X: (passiv)
Optic without v/vv
A-X: (activ)
Optic with v/vv

Comments:
in jumper position P-X compatible with PP201Y0 and following
in jumper position A-X compatible with PP201Y2 and following

Scale 1:3.3



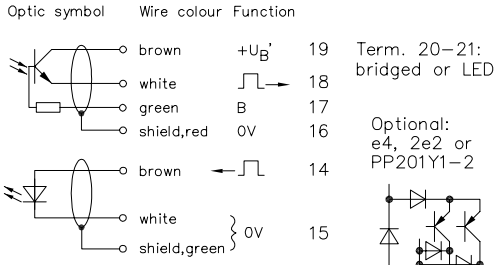
Optic Head (Pair)
Control Unit

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

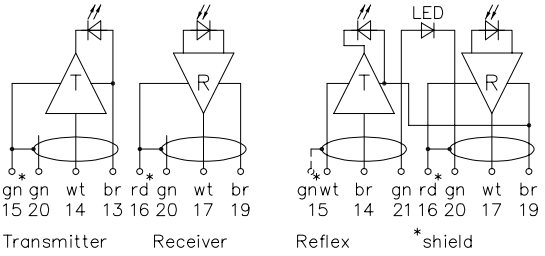
Order no.:

2001
2002
2003
2004

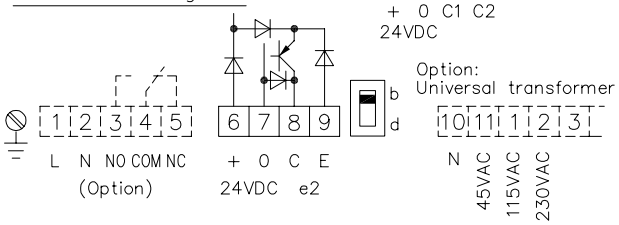
Connection of Optical Units without v/vv:



Connection of Optical Units with v/vv:



Connection diagram:



Options:

Connection	4+1 pin plug stA5 6+1 pin plug stA7 5+1 lead no.-cable K6 3x3 lead no.-cable 3K3
Connection Transm.	3 pin plug stB3
Receiver	4 pin plug stB4
Supply	24...80VDC 230VAC, 110..130VAC, 42..48VAC, 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
Access time	"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
Test function	switching off by means of a potential free contact

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

Accessories:

Optics A...X without additional "v" or "vv"; Jumper P-X
Optics A...X with additional "v" or "vv" (vv only when Y=0); [Jumper A-X

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". *E_ 2001 1.TXT*

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2001 DE 18.02.05 mj
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(15.02.96 tb)
(22.07.02 tb)