PAULY

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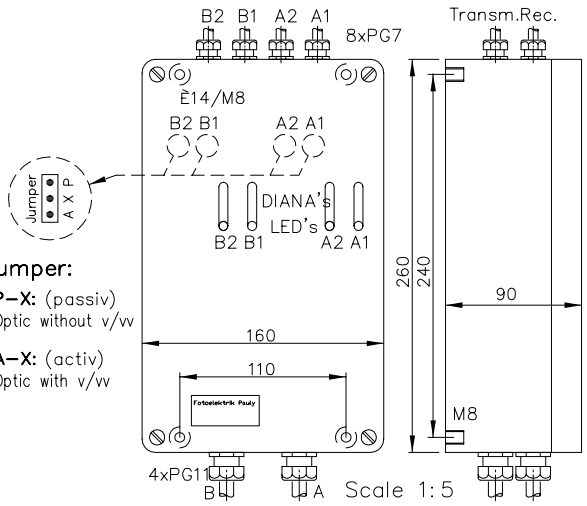
Control Unit Type PP24XY0-2 for 4 Light Barrier

X=0: asynchron; X=1: synchon; X=2: multiplex; Y=0: without-; Y=1: with Preamplifier

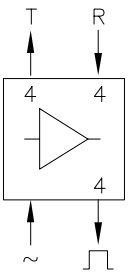
Digit position in Typification / Valence of Position	0	1	2	3	4
1 Type of Device			Control App. for ext. LB		
2 Number of Light-barriers and Type of Housing	1 R26	1 R27	2 R27	3 R57	4 R57
3 Mode of Operation, X	unsync minimal 2 LB	sync from 1 LB	mpx minimal 2 LB		
4 Performance, y	standard	high			
5 El. Design of Optics & max length of shielded cables	without preamp 2x4m	like 5.0 special output	with preamp 2x40m		



Jumper:

P-X: (passiv)
Optic without v/vv

A-X: (activ)
Optic with v/vv



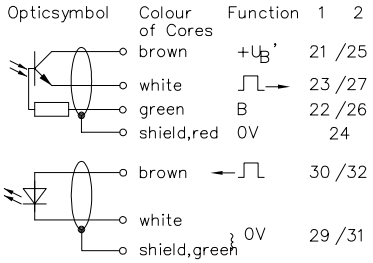
Light Barrier Control Unit

PP 24000-2
PP 24100-2
PP 24200-2
PP 24010-2
PP 24110-2
PP 24210-2

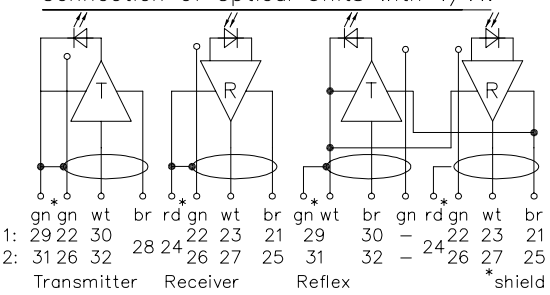
Order no.:

2041
2042
2043
2044
2045
2046

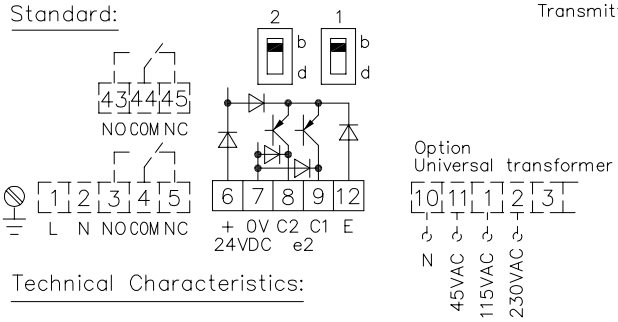
Connection of Optical Units without v/vv:



Connection of Optical Units with v/vv:



Standard:



Technical Characteristics:

Housing	Al-Cast
Weight	approx. 3200g
Protection mode	IP65
Supply	24VDC/160mA 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
	-25...+60°C

Options:

Connection	6+1 pin Plug stA7 6+1 lead no.-cable K7
Connector Transm.	3 pin Plug stB3
Receiver	4 pin Plug stB4
Supply	24...80VDC 230VAC, 115VAC, 42..48VAC, 24VAC 230/115/45VAC with universal transformer
Output	Relay 250VAC/8A, 150W, 1500VA, 1xCh., R npn 60mA s.-c.-prot., e3 Optocoupler 60V/50mA, e1
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')
Test function	switching off by means of a potential free contact

Accessories:

Optics A..X without additional "v" or "vv"; Jumper P-X
Optics A..X with add. "v" or "vv"(only 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 optic heads with driver stage ("v"), it is essential to remove the jumpers which are on the top left beside the transmitter generators. *E_ 2021 1.TXT*

2041 DE
E_ 2041 1
(12.07.97 tb)
(28.01.99 tb)
18.02.05 mj