Ignitors and Accessories for Discharge Lamps

Electronic Power Switches for HS Lamps up to 600 W and HM Lamps up to 700 W

For high pressure sodium lamps (HS) and mercury vapour lamps (HM)
For power reduction by using ballasts with multiple voltage tapping and superimposed ignitors

PR 12 K LC and PR 12 K D are also suitable for power switching of LED drivers and electronic ballasts.

Casing: PC

Max. permitted casing temperature t_{c} : 80 °C

Screw terminals: 0.75-2.5 mm²

Fastening: male nipple with pre-assembled

washer and nut

For luminaires of protection class I and II Circuit diagrams for power reduction see pages 96–97.

Advantages of PR 12 K LC

- intelligent, auto-adaptive concept
- eliminates the time-consuming task of continually adjusting the times
 of power-reduced operation to suit constantly changing day-night cycles
- removes the need for making adjustments due to daylight-saving times
- easy programming via dial
- no additional control line necessary

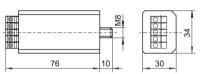
140623*

optimal suitable for the supplementary integration into existing luminaires

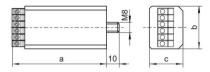
230, 50 / 220, 60

suitable for luminaires of protection class I and II

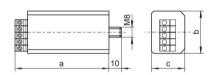
PU 12 K/PR 12 KD/PR 12 K LC



PU 120 K



PU 121 K



Casina	Weight	

74 34 27

Type	Ker. No.	Vollage AC	I/viux. coniuci		Inneren	Illiegialea	Cornioi priase	Cusing			vveigili
			current		heating	delay	for power reduction	a	Ь	С	
		V, Hz	Α/λ Α/λ		K	switching	(circuitry logic)	mm	mm	mm	g
Power reduction	n with contr	ol phase									
PU 12 K	140621	230, 50 / 220, 60	8/0.5	12/1	< 25	_	disconnect or connect	74	34	27	100
PU 120 K	140622*	230, 50 / 220, 60	8/0.5	12/1	< 10	327 sec.	disconnect	74	34	27	100

Power reduction without control phase												
PR 12 K LC****	142170**	220-230 ±10%, 50 8/0.5		12/1	< 12	selectable	without control phase	76	34	31	100	
		220 ±10%, 60										
PR 12 K D****	142150***	220-230 ±10%, 50	8/0.5	12/1	< 12	selectable	without control phase	76	34	31	100	
		220 ±10%, 60										

< 25

327 sec

connect

For full-load lamp start

PU 121 K

* Time of power-reduced operation selectable, starting point of switching-time changes automatically to suit constantly changing day-night cycles

** Power reduction after a constant switching-time (delay switching); switching-time selectable: 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 hrs at 50 Hz

12/1

8/0.5

*** 120-240 V ±10% on request

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Ignitors and Accessories for Discharge Lamps

Electronic Superimposed Ignitors with Power Switch for HS Lamps 50 to 250 W



For ignition and power reduction of high pressure sodium lamps (HS)

Casing: PC

Control voltage: $230 \text{ V} \pm 10\%$ Response/cut-out voltage: 170-198 VPhasing of the ignition voltage: 60-90 °el and 240-270 °el

Max. permitted casing temperature t_{c} : 80 °C

Push-in terminals: 0.75-1.5 mm²

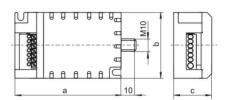
Fastening: male nipple with pre-assembled

washer and nut

For luminaires of protection class I and II

Applicable for positive switch logic allowing for terminal pin assignment of power switch

- Full load lamp start is guaranteed
- Switching to power reduced operation after delay time of approx. 5 min.



										,			
Type	Ref. No.	Voltage AC	Max.	Number of	Internal	Inherent	Ignition	Load	Programmed	Casing			Weight
			lamp	ignition pulses	loss	heating	voltage	capacity	switch-off time	а	Ь	С	
			current	per mains									
		V, Hz	А	period	W	K	kV	pF	sec./Hz	mm	mm	mm	g
HS lamps 50	and 70 W												
ZPU 70 K D20	142098	230, 50/220, 60	2	4	< 2	< 15	1.8-2.3	20-200	1216/50-60	96	50	32	240
HS lamps 70	DE) to 250	w											
ZPU 250 K D20	142099	230, 50/220, 60	3	6	< 2	< 15	4-5	20-50	1216/50-60	96	50	32	240

Circuit diagrams see page 95