

PCD series

16W~60W Constant Current with AC Dimming Capability



Power Supply Features:

- **AC phase-cut dimming, works with leading edge and trailing edge TRIAC dimmers**
- PCD-16/25: 115VAC or 240VAC input
PCD-40/60: 240VAC input only
- Built-in active PFC (Power Factor Correction)
- Fully isolated plastic case
- Constant current design (C.C. mode)

Refer to www.procontechtechnology.com.au for detailed specs.

- IP30 design
- Class 2 power unit / Passes LPS (PCD-16/25)
- Isolation class II, no Frame Ground
- Protection: Short circuit / Over temperature
- Cooling by free air convection
- 3 year warranty
- **Australian Electrical Safety Approval**

	PCD-16/25	PCD-40/60
INPUT (A type)		
INPUT (B type)		
OUTPUT		
AC input voltage range	115VAC (90~135VAC) or 240VAC (180~295VAC)	240VAC (180~295VAC)
AC inrush current (max.)	Cold start, 10A at 230VAC	PCD-40: Cold start, 11A at 230VAC PCD-60: Cold start, 13A at 230VAC
Withstand voltage	I/P-O/P: 3.75kVAC	
Working temperature	-30°C ~ +60°C (refer to output derating curve)	PCD-40: -30°C ~ +50°C; PCD-60: -30°C ~ +45°C
Safety standards	UL8750 (PCD-16/25 only), ENEC EN61347-1, EN61347-2-13, EN62384 (B-Type only), EAC TP TC 004 approved	
EMC standards	EN55015(except PCD-16/25 A-Type), EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, FCC part 18 non-consumer equipment (for PCD-16/25 A-Type), EAC TP TC 020	
Connection	Input	PCD-16/25 A-Type: UL1430 18AWGx2C (7.5cm); PCD-16/25 B-Type: NISPT-1 18AWGx2C; supplied with Australian mains plug and 1.8m lead. PCD-40/60: H03VVH2-F 0.75mm ² x2C (7.5cm)
	Output	UL1430 18AWGx2C (15cm)
Dimensions (LxWxH)	84x57x29.5mm	128x60x31.5mm
Weight	0.19kg	0.23kg (PCD-40) / 0.35kg (PCD-60)

PCD-16 Series



Model No.	Output	I _o Tol.	R&N	Eff.
PCD-16-350□	24~48V, 350mA	±5%	4.6V	82.0%
PCD-16-700□	16~24V, 700mA	±5%	2.7V	81.0%
PCD-16-1050□	12~16V, 1050mA	±5%	2.2V	80.5%
PCD-16-1400□	8~12V, 1400mA	±5%	2.0V	80.0%

□ = A or B-Type; A-Type: 90~135VAC, B-Type: 180~295VAC

PCD-25 Series



Model No.	Output	I _o Tol.	R&N	Eff.
PCD-25-350□	40~58V, 350mA	±5%	4.6V	82.0%
PCD-25-700□	24~36V, 700mA	±5%	2.7V	81.0%
PCD-25-1050□	16~24V, 1050mA	±5%	2.2V	80.5%
PCD-25-1400□	12~18V, 1400mA	±5%	2.0V	80.0%

□ = A or B-Type; A-Type: 90~135VAC, B-Type: 180~295VAC

PCD-40 Series



Model No.	Output	I _o Tol.	R&N	Eff.
PCD-40-350B	70~108V, 350mA	±5%	9.5V	87%
PCD-40-500B	45~80V, 500mA	±5%	5.0V	87%
PCD-40-700B	34~57V, 700mA	±5%	3.1V	86%
PCD-40-1050B	22~38V, 1050mA	±5%	2.6V	86%
PCD-40-1400B	17~29V, 1400mA	±5%	2.5V	85%
PCD-40-1750B	13~23V, 1750mA	±5%	2.4V	85%

PCD-60 Series



Model No.	Output	I _o Tol.	R&N	Eff.
PCD-60-500B	70~108V, 500mA	±5%	10.2V	87%
PCD-60-700B	50~86V, 700mA	±5%	5.6V	86%
PCD-60-1050B	34~57V, 1050mA	±5%	3.8V	86%
PCD-60-1400B	25~43V, 1400mA	±5%	3.4V	85%
PCD-60-1750B	20~34V, 1750mA	±5%	3.3V	85%
PCD-60-2000B	18~30V, 2000mA	±5%	2.4V	85%
PCD-60-2400B	15~25V, 2400mA	±5%	2.4V	84%

Dimmer Compatibility Chart

Manufacturer	Dimmer Model
LUTRON	SKYLARK SF-12P-277 (277VAC/60Hz)
LUTRON	DVF-103P-277 (277VAC/60Hz)
LUTRON	SKYLARK SF-10P (120VAC/60Hz)
LUTRON	SKYLARK S-600P (120VAC/60Hz)
LUTRON	SKYLARK DVF-103P (120VAC/60Hz)
LEVITON	ILLUMATECH TM Cat.No.IP106 (120VAC/60Hz)
LEVITON	SURESLIDE TM Cat.No.6633-P (120VAC/60Hz)
LEVITON	SURESLIDE TM Cat. NO.6615-P (120VAC/60Hz)
JUNG	Light-Management 225 TDE (230VAC/50Hz)
JUNG	Light-Management 225 NVDE (230VAC/50Hz)
BERKER	Tronic-Drehdimmer 286710 (230~240VAC/50Hz)
BE LICHTREGLER	T39.01 (230VAC/50Hz)
BE LICHTREGLER	T46 (230VAC/50Hz)
CLIPSAL	32E450UDM (220~240VAC/50Hz)
CLIPSAL	32E450TM (220~240VAC/50Hz)

- Conduction angle: 30 degrees (min.) / 180 degrees (max.)
- For PCD-16/25/40/60 models only