

DIMEZE™

Digital LED Dimmer

Phase-cut Solution Portfolio
直氣調光產品組合



PCD Series AC Dimmable Driver



DZ2G450DIAL
450W Phase Dimmer



DZ1G450CAPS
450W Phase Dimmer



AC Flicker-free LED Deep Dimming Solution Now Available

DIMEZE™ LED Dimmers are suitable for Incandescent, Halogen, Low Voltage Lighting using Electronics Transformers and LED Lighting. **DIMEZE™** LED Dimmers have Minimum-Brightness-Level feature to adopt to other LED Drivers' lowest-allowed brightness level to provide flicker-free LED Dimming.

Combining **DIMEZE™** 450W Digital Phase LED Dimmers with **Meanwell** PCD Series, Interior Design and E&M contractors can simply select the right products from below table for **AC LED Dimming requirement**.

PCD Series Product Selection Guide

		Constant Current Output / Output Voltage Range							
Series	Power	350mA	500mA	700mA	1050mA	1400mA	1750mA	2000mA	2400mA
PCD -16	16W	24 - 48V	—	16 - 24V	12 - 16V	8 - 12V	—	—	—
PCD - 25	25W	40 - 58V	—	24 - 36V	16 - 24V	12 - 18V	—	—	—
PCD - 40	40W	70 - 108V	45 - 80V	34 - 57V	22 - 38V	17 - 29V	13 - 23V	—	—
PCD - 60	60W	—	70 - 108V	50 - 86V	34 - 57V	25 - 43V	20 - 34V	18 - 30V	15 - 25V

Consult www.meanwell.com for datasheet



Key Facts

Model Number	DZ2G450DIAL	DZ1G450CAPS	DZ1G1TEN
Interface	Rotary	Capacitive Sensing	Rotary
On /Off	Separate	Integrate	Separate
Operating Voltage	220V - 240Vc @ 50Hz		Adapter: AC100 - 240Vac @ 50/60Hz Controller: DC 60V MAX
Maximum Power (Load)	450W		-
Minimum Power (Dimmer)	3W		-
Over Temperature Protection	Yes		-
Short Current Protection	Yes		-
Phase-Cut Technology Option	Leading / Trailing	Trailing Only	-
Minimum Brightness Level	Yes		Minimum-Trim (0.8V - 3.5V)
Last Dimmed Level Memory	Yes		-
Restrike	Yes		-
CE Safety Certificate	IEC/EN60669-2-1 (LVD), IEC/EN55015, EN62547, EN6100302, EN61000-3-3 (EMC)		IEC/CE - EN55015:2013+A1:2015, EN61000-2-3:2014, EN61000-3-3:2013, EN61547:2009

Installation (Schneider Clipsal E30 / Compatible)



Insert dimmer to TV Plate



The LED indicator faces upward after done

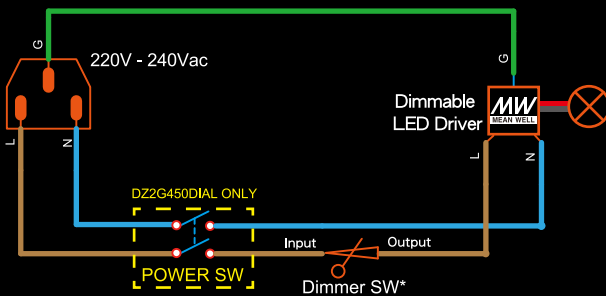
Complete

Flush Box Minimum



DZ2G450DIAL / 34mm
DZ1G450CAPS / 43mm
DZ1G1TEN / 35mm

Wiring



Specifications (DZ2G450DIAL, DZ1G450CAPS)

- Voltage: 220 – 240Vac, 50Hz
- Power: 450W (Load), 3W (Dimmer)
- Load: Dimmable LED, Incandescent, Halogen, Dimmable CFL, Dimmable Electronic Transformer, Iron Core Transformer
- Dimension: 23mm x 23mm
- Compliance: IEC/EN60669-2-1 (LVD), IEC/EN55015, EN62547, EN61000-3-2, EN61000-3-3 (EMC)

*Either terminal can be connected as Input or Output
"Live-In, Live-Out", No Separate Neutral Needed



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