

DIMEZE™

DIGITAL LED DIMMER - 450W PRODUCT SERIES



SPECIFICATIONS

Model Number	DZ2G450DIAL	DZ1G450CAPS
Interface	Dial Button	One-Touch Capacitive Button
Operation Range	220 – 240Vac, 50Hz	
Maximum Loading Rating	450W	
Minimum Loading Rating	3W	
Over Temperature Protection	Yes, Manual Reset (MCB Off/On)	
Short Circuit Protection	Yes	
Auto Select Load Suitability & Selectable Leading Edge Operation	Yes, Dimmable LED, Incandescent, Halogen, Electronic Transformer, Iron Core Transformer, Dimmable CFL; Not suitable for Motor Loads	
Adjustable Minimum Dimming Level	Yes, Allows minimum dimming level to be set at a point that best suits the load; Recommend only set to very low levels in conjunction with the Restrike feature	
Restrike Feature	Yes, Turns the load on briefly before dimming to the last dimmed level	
Operation Temperature	0 – 60°C	
Humidity	15 – 85% Non-Condensing	
Switch Plate Compatibility	Fits all Clipsal Wall 30 Series aperture / Compatible wall plates	
Wire Size	1 x 2.5mm ² or 2 x 1.5mm ²	
Complies With	IEC (Certificate numbers ready by end of June)	

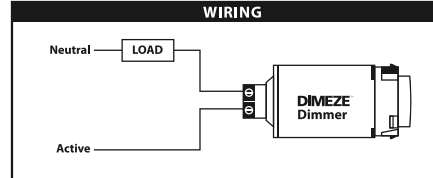
INSTALLATION INSTRUCTIONS

The product must be used in conjunction with a standard switch plate and/or modular switch (for Dial Dimmer). Ensure that the power has been turned off at the circuit breaker (MCB) before attempting installation or changing the load. The module should only be installed by a licensed electrician.

1. Disconnect power from the circuit and ensure it is safe.
2. Fit DIMEZE™ modular dimmer into switch plate aperture & be mounted in a suitable enclosure.
3. Connect as per (right) figure (in series with the load).
4. Set Selectable features as required (see followings).
5. Reconnect power & confirm operation.

Special Notes

- Not suitable for mixed loads (all the lamps on the circuit should be the same type)
- Not suitable for controlling motors of any size
- Not suitable for two-way switching
- The status LED will flash continually if a fault, such as, overload or over temperature, occurs
- The dimmer can be manually reset by switching it off at the circuit breaker and then on again



DIMMER OPERATIONS AND OPTION SETTING

Feature	ON / SET	OFF / RESET	Remarks
Restrike	Turns the load on maximum brightness briefly before dimming to the last dimmed level	Turns on at last dimmed level	If Restrike is OFF, the load may not turn on at very low levels
Minimum Dimming Level Set	Dial Type When the light is on, dim to the desired level, press the push the Minimum Setting button to set minimum	If preset minimum dimming level is acceptable, leave the push button untouched	To return the dimmer to factory settings, press the push button & hold at dimmer and power-up again (MCB ON/OFF) to clear last setting
	One-Touch Capacitive Sensing Type When the light is on, 1. Reset > Set (or Set > Reset > Set) 2. Dim to desired level 3. Quick press ON/OFF button, now Minimum Level is set (the LED lamp will blink for indication) 4. At next operation, the LED indicator will blink at new minimum level	If preset minimum dimming level is acceptable, leave the DIP switch to Reset (OFF); To return the dimmer to factory settings or to set the minimum dimming level again, set DIP switch to RESET	-
LED Indicator (DZ2G450DIAL only)	LED Indicator constant flashing indicates an Over Temperature shut down; if Over Heating occurs, the dimmer disconnects the load & the LED indicator flashes; review the load or installation, switch off for one minute to allow reset (Option only available for DZ2G450DIAL)	The LED indicator will still light in OFF position for the purposes of active feedback (Option only available for DZ2G450DIAL)	-
Auto-Select Load Suitability (DZ2G450DIAL only)	Default Mode for Dial Dimmer and One-Touch Capacitive Dimmer (Option only available for DZ2G450DIAL)	Selectable to Leading Edge phase dimming	Mixed load characteristics not suitable

Caution: Adjusting the DIP switches should be carried out by electrically trained installers & the dimmer must be isolated before adjustment.

SPECIAL NOTES ON ONE-TOUCH CAPACITIVE SENSING DIMMER

Operation	Function	Operation
Short Button Press	ON / OFF	A quick press of the button will turn the dimmer ON / OFF. When the dimmer is turned ON, it will restore brightness to the last dimmed level.
Long Button Press	Dim UP / DOWN	A long press of the button will ramp the brightness UP / DOWN until the button is released or the brightness maximum / minimum is reached; the ramp direction will change when the button is released for at least 0.5 sec and then held down again. The dimmer will automatically stop ramping UP / DOWN when the maximum / minimum point is reached; the LED flashes to indicate the maximum / minimum point is reached

Operation Mode	LED Status
Dimmer Load is ON	LED will be at Medium Brightness
Dimmer Load is OFF	LED will be at Minimum Brightness
No Power to Dimmer	LED will be OFF
Dimmer Load at a Maximum or Minimum	LED will FLASH
Dimmer is in Fault Mode (Overload, Over Temperature)	LED will Flash continuously until dimmer shuts down

Warning Notes

The DIMEZE™ digital dimmer is a solid state device, 240V will be present at the load even when the dimmer is switched off. The power must be switched off at the Circuit Breaker (MCB) to isolate the circuit before replacing faulty lighting loads or blown lamps.

This dimmer must be fitted to a Wall Plate and installed on a suitable enclosure (mounting block or flush box). The input terminals and wires should not be accessible when the product is being used.

Warranty Statement

The DIMEZE™ digital LED dimmer is guaranteed for a period of 5 years from the date of purchase against defects in workmanship and materials. Defects will be rectified by replacement of the product. This warranty becomes null and void if in our opinion the product has been misused, incorrectly installed, tampered with, or subject to power surges. The warranty does not include any labor or other associated expenses that may be involved in removal or installation of the production. To obtain a replacement under this guarantee, return the goods (prepaid) to the place of purchase (proof of purchase must be supplied).



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