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# VYNCO 88PBD450 PUSH BUTTON DIMMER MODULE Instruction Manual

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**VYNCO 88PBD450 PUSH BUTTON DIMMER MODULE**



## **SPECIFICATIONS**

SPECIFICATIONS	
Input Voltage	220 – 240V AC, 50Hz
Operation Temperature	0 to 60°C
Maximum Load Rating	450W
Over Temperature Protection	Yes – manual resetting. Turn MCB off and on to reset
Restrike Feature	Yes – turns the load on to maximum briefly before dimming to the preset level.  Caution: If the restrike is OFF the load may not turn on at very low levels.
Adjustable Minimum Dimming Level	Yes – allows the minimum dimming level to be set at a point that best suits the load.  Only set to very low levels in conjunction with the restrike feature.
Auto Select Load Suitability	Dimmable LED, incandescent, halogen, electronic transformers, iron core transformers, dimmable CFL.  <b>Not suitable for motor loads.</b>
Humidity	15-85% Non-Condensing
Switch Plate Compatibility	Fits all common Vynco and Clipsal wall plates
Complies With	AS/NZS3100:2009 and AS/NZS CISPR15:2011

## SAFETY

Always turn off the power at the circuit breaker (MCB) to isolate the circuit before changing the load. Not suitable for mixed loads – it is important all the lamps on the circuit are the same type. Not suitable for controlling motors of any size. Suitable for two-way switching. The status LED will flash continually if a fault such as an overload or overtemperature occurs. The dimmer can be manually reset by switching it off at the circuit breaker and then on again. The 88PBD450 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. This product complies in full with AS/NZS 3000. This product should be installed by a suitably qualified person in accordance with Australian and New Zealand wiring rules.

## WARRANTY

This product is covered by the standard 5 Year Vynco Warranty – proof of purchase is required. Please contact Vynco for details of the returns procedure.

**NOTE:** This product contains NO user-serviceable parts

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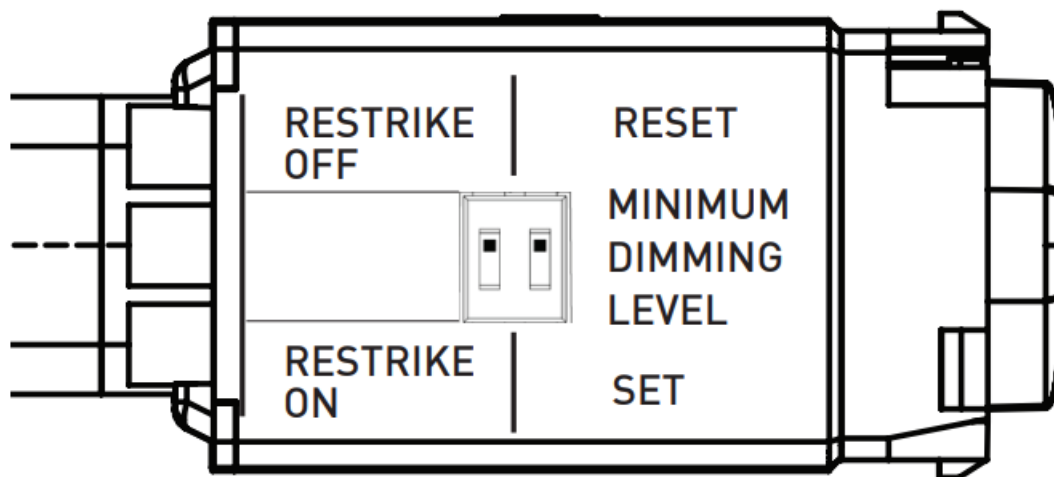
## STATUS INDICATION

The dimmer has a blue status indicating LED. The LED will indicate the following modes as listed below

Dimmer load is on	LED will be OFF
The dimmer load is off	LED will be OFF
No power to the dimmer	LED will be OFF
2 Way circuit where dimmer module is the slave	LED will be OFF
Dimmer load at a maximum or minimum	LED will flash
Button is pressed	LED will be maximum brightness
Dimmer is in fault mode – Overload / Overtemperature	LED will flash continuously until the dimmer shuts down.

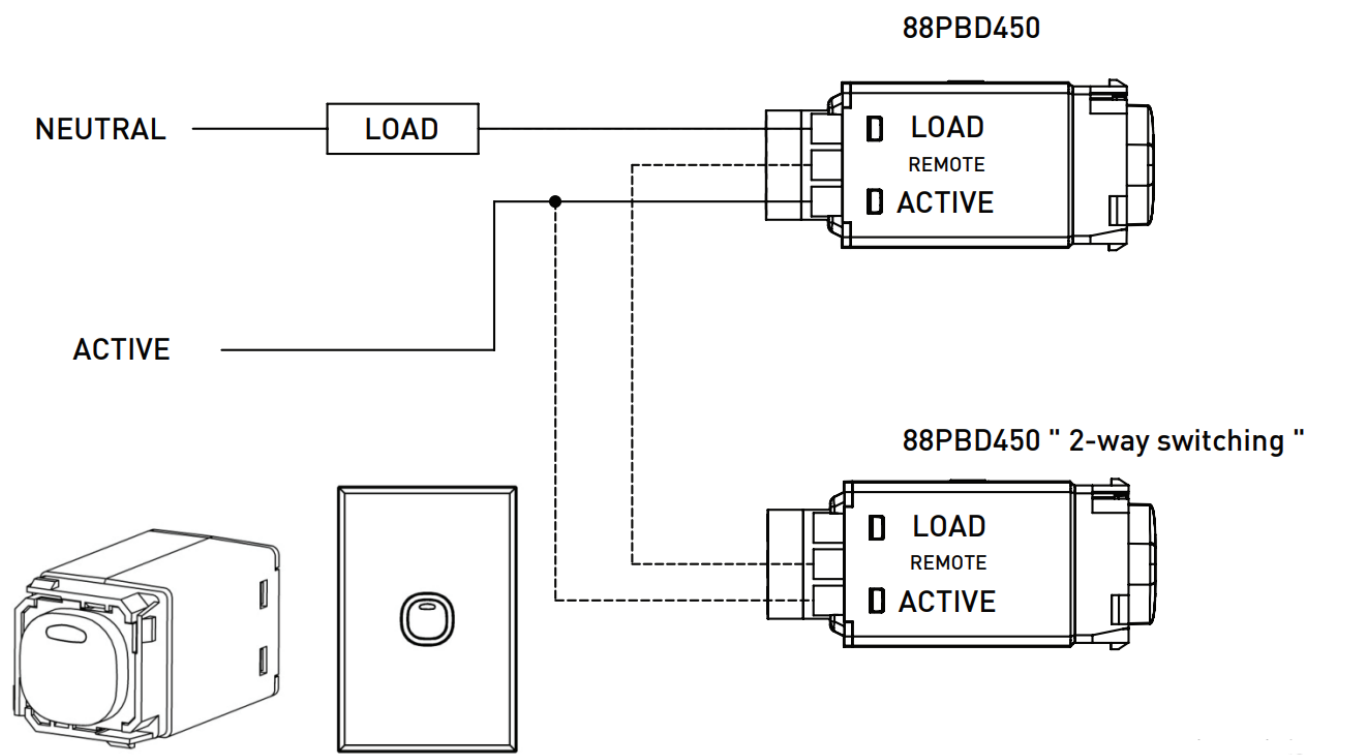
OPERATION	
Short Button Press	<p>A quick press of the button will turn the dimmer On or Off</p> <p>When the dimmer is turned on it will restore the brightness to the last dimmed level.</p>
Long Button Press	<p>A long press of the button will ramp the brightness up or down until the button is released or the brightness maximum or minimum is reached.</p> <p>The ramp direction will change when the button is released for at least 0.5 seconds and then held down again.</p> <p>The dimmer will automatically stop ramping up or down when the maximum or minimum point is reached. The LED flashes to indicate the maximum or minimum point is reached.</p>

LOAD TYPE	LOAD	TYPICAL MAXIMUM LOADING PER DIMMER
LED downlights		8W
Incandescent		7 x 60W to 4 x 100W
Halogen	8 – 450W	6 x 70W
50W Dichroic GU10 240V	<i>Always derate the dimmer's capacity by the power factor when calculating the maximum load</i>	9 x 50W
50W Dichroic 12V iron core transformer		5 x 50W
50W Dichroic 12V electronic transformer		9 x 50W (pf 0.9)




RESTRICKE AND MINIMUM DIMMING SETTINGS	
Restricke Switch	<p>OFF – the dimmer turns on at the last dimmed level. Caution: if the restricke is OFF the load may not turn on at very low levels</p> <p>ON – turns the load on maximum brightness briefly before dimming to the last dimmed level.</p>
Setting the Minimum Dimming Level	<p>If the preset minimum dimming level is acceptable leave the DIP switch to reset. Reset is the recommended setting for most applications.</p> <p>For incandescent loads, the restricke feature should be left off and the minimum dimming level left at reset.</p> <p>If the preset dimming level is too high or too low follow the following steps –</p> <ol style="list-style-type: none"> <li>1. Turn the load on and dim to the desired minimum level.</li> <li>2. Turn off the dimmer (use the Push Button).</li> <li>3. Set the DIP switch from rest to reset.</li> <li>4. Turn the dimmer ON (use the Push Button). The dimmer will now be set to the desired minimum level.</li> </ol> <p>To return the dimmer to the factory settings or to set the minimum dimming level again turn the DIP switch to reset.</p> <p>CAUTION: adjusting the DIP switches should only be carried out by electrically trained installers.</p>

WIRING DIAGRAM



Documents / Resources



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88PBD450, PUSH BUTTON DIMMER MODULE, BUTTON DIMMER MODULE, DIMMER MOD  
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