VYNCO

INSTALLATION INSTRUCTIONS

88PBD450/88PBD450B PUSH BUTTON DIMMER

SPECIFICATIONS	88PBD450/88PBD450B
Operation range	220-240Va.c. 50Hz
Maximum load rating	450W
Minimum load rating	10W
Over temperature protection	Yes – manual resetting. Turn MCB off and on to reset.
Short circuit protection	Yes
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. **Not suitable for motor loads**
Operation temperature	Range 0 – 60°C
Humidity	15-85% Non-condensing
Switch plate compatibility	Fits all common Vynco Logix & Fusion and Clipsal wall plates
Wire size	1 x 2.5mm² or 2 x 1.5mm²
Complies with	AS/NZS3100:2009 and AS/NZS CISPR15:2011

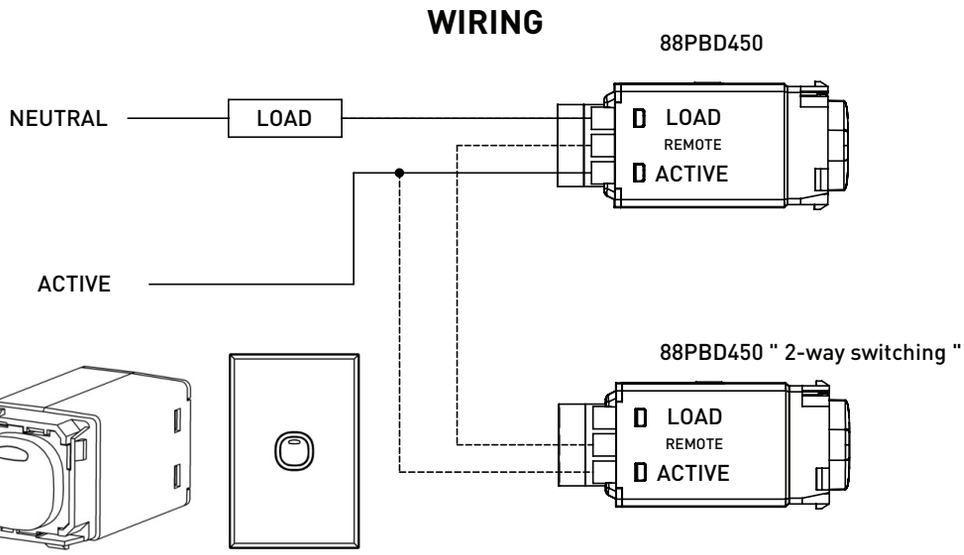
LOAD TYPE	MAXIMUM	TYPICAL MAXIMUM LOADING PER DIMMER
Incandescent	450W *Always derate the dimmer's capacity by the power factor when calculating maximum load*	35
		7 x 60W to 4 x 100W
Halogen		6 x 70W
50W dichroic GU10 240V		9 x 50W
50W dichroic 12V iron core transformer		5 x 50W
50W dichroic 12V electronic transformer		9 x 50W (pf 0.9)

INSTALLATION INSTRUCTIONS

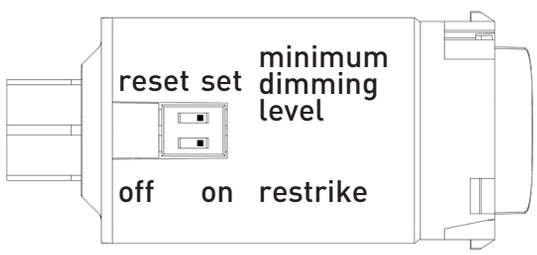
Always turn off the power at the circuit beaker (MCB) to isolate the circuit before changing the load.

- 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 over temperature occurs.
- The dimmer can be manually reset by switching it off at the circuit breaker and then on again.

WIRING



OPERATION	
Short button press	A quick press of the button will turn the dimmer On or Off When the dimmer is turned on it will restore the brightness to the last dimmed level.
Long button press	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. The ramp direction will change when the button is released for at least 0.5 seconds and then held down again. 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.



RESTRIKE AND MINIMUM DIMMING SETTINGS	
Restrike switch	OFF – the dimmer turns on at last dimmed level. Caution: if the Restrike is OFF the load may not turn on at very low levels ON – turns the load on maximum brightness briefly before dimming to the last dimmed level.
Setting the minimum dimming level	If the preset minimum dimming level is acceptable leave the DIP switch to reset. Reset is the recommended setting for most applications. For incandscent loads the restrike feature should be left off and the minimum dimming level left at reset. If the preset dimming level is too high or too low follow the following steps - 1. Turn the load on and dim to the desired minimum level. 2. Turn off the dimmer (Use the push button). 3. Set the DIP Switch from rest to set. 4. Turn the dimmer ON (use the push button). The Dimmer will now be set to the desired minimum level. To return the dimmer to the factory settings or to set the minimum dimming level again turn the DIP switch to reset. CAUTION: adjusting the DIP switches should only be carried out by electrically trained installers.

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 ON
Dimmer load is off	LED will be ON
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 Over temperature	LED will flash continuously until the dimmer shuts down.

WARNING NOTES

The 88PBD450/88PBD450B 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.

All wiring should be carried out by a licensed/registered electrician or similarly qualified person, according to the AS/NZS3000 Wiring Rules.

WARRANTY STATEMENT

The 88PBD450/88PBD450B 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 labour or other associated expenses that may be involved in removal or installation of the product. To obtain a replacement under this guarantee, return the goods (prepaid) to the place of purchase (proof of purchase must be supplied).

Vynco Industries (NZ) Limited

Christchurch Office
388 Tuam Street, Phillipstown, Christchurch, 8011
PO Box 9022, Tower Junction, Christchurch 8149
New Zealand
P +64 3 379 9283 F +64 3 379 6838
E sales@vynco.co.nz
www.vynco.co.nz

Auckland Office
9 Levene Pl, Mount Wellington
PO Box 12 249, Penrose, Auckland 1061
New Zealand
P +64 9 525 6051 F +64 9 525 5799
E sales@vynco.co.nz
www.vynco.co.nz

INSV0004 V2