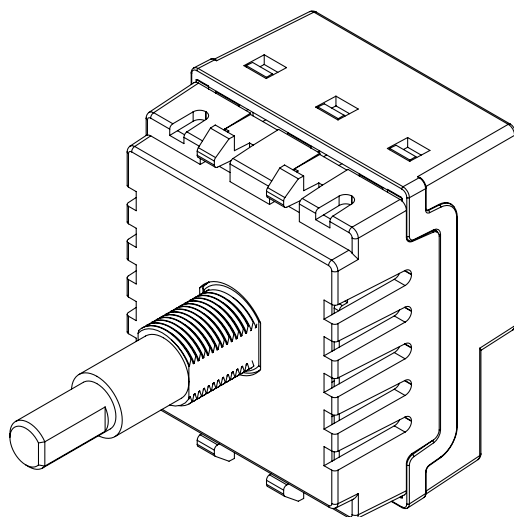


## ELECTRICITY

### DIMMER MODULE / 250W LED / RETRACTIVE

CDM-142038 / BP-DRT250U

## INSTALLATION MANUAL



**EU:** For assembly, refer to [EU MODULAR PLATE](#) assembly manual

**AU:** For assembly, refer to [AU MODULAR PLATE](#) assembly manual

## IMPORTANT!

This product must be installed by a qualified professional. Turn off the power at the breaker prior to installing this product.

**YOU MUST USE CDM-142038 WITH AN APPROPRIATE 6A - 16A CIRCUIT BREAKER.**






This dimmer is not compatible with intermediate switches.



### WARNING: ELECTRIC SHOCK HAZARD

Hazardous voltage may be present at the Dimmer's output despite setting the Dimmer to zero brightness level.

## ELECTRICAL SPECIFICATIONS

PARAMETER	Value
Supply voltage & Frequency	220-240V ~ 50Hz
Rating	3-250W: When used with dimmable LED lamps. 10-350W: When used with incandescent lamps, high voltage halogen lamps and Low Voltage Incandescent Ballasts
Dimming Technology 	Auto Detect Trailing Edge dimming. Leading / Trailing edge dimming mode can be manually set.
Compatible loads for <b>TE MODE</b>	<b>LED</b>  Dimmable LED lighting with compatible Electronic Transformers
	 LV Halogen Lighting with electronic transformers
Compatible loads for <b>LE MODE</b>	 Incandescent lighting, MV Halogen lamps
	 LV Halogen lamps with Iron-core transformers
Operating Temperature	0° - 40°C
Operating Humidity	10 - 90% R.H.

### THERMAL OVERLOAD PROTECTION

This Dimmer has a built-in thermal protected circuit. It will automatically switch off if the temperature rises above 120°C and reset when the dimmer cools down to 75°C. If the issue persists, please reduce the load on the dimmer.

### SHORT CIRCUIT PROTECTION

Once activated, the dimmer will stop and reset after 5 seconds. If there is still a fault on the circuit, the dimmer will suspend operation until power is disconnected and Switch ON again. In this case, please contact a qualified professional.

### NOTE :

Only **LEADING EDGE MODE (LE)** is compatible when connecting with IRON-CORE transformers, DO NOT use in **TRAILING EDGE ( TE )** mode.

Multiple compatible loads can be used if the total lamp wattage does not exceed the maximum load rating of the dimmer. Some lamps may exhibit unexpected performance characteristics when cold. Dimming performance should improve after the lamp warms up. If the lamp appears unstable, try changing TE or LE mode.

The dimmer module can be use with cover plates rated at 250V~

## RECYCLING ELECTRICAL PRODUCTS

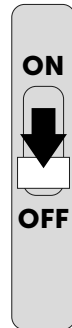
Buster + Punch encourages all of its customers to make note of this symbol and avoid putting any waste electrical goods in your domestic waste bin or container. Please ensure you take your waste electrical goods to a suitable facility for disposal.



# 1 TURN OFF POWER SUPPLY.



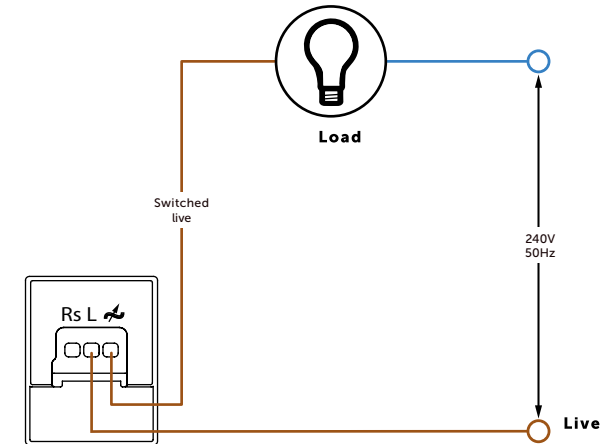
**BEFORE COMMENCING WORK, ISOLATE THE MAINS POWER SUPPLY AND REMOVE THE FUSE IN THE FUSE BOX OR SWITCH OFF THE CIRCUIT BREAKER IN THE CONSUMER UNIT.**



## 1a SINGLE LOCATION DIMMING.

Operation of Push ON/OFF Dimmer Switch :

Push to turn lights ON / OFF. Turn knob right to increase brightness. Turn knob left to decrease brightness.



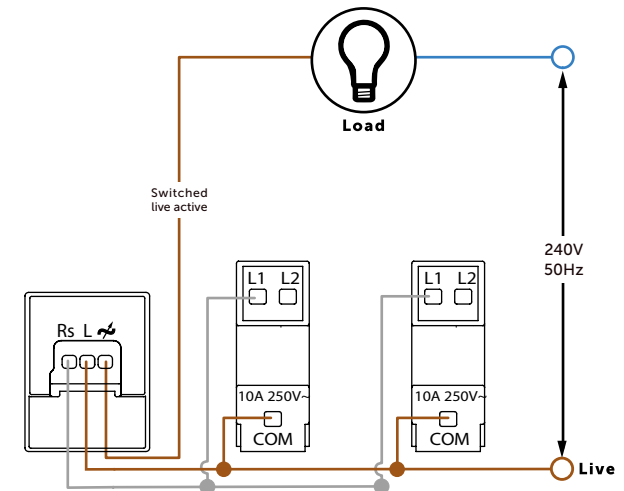
### NOTE:

The Dimmer must always be connected to the LIVE side of the load. Only use one dimmer to control the same load per circuit.

## 1b MULTIPLE LOCATION DIMMING.

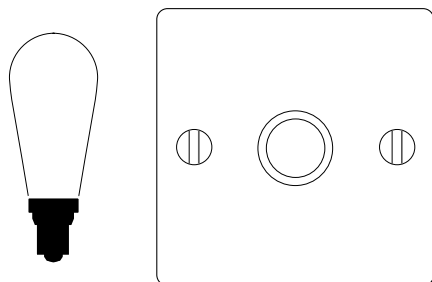
How to dim from multiple locations using Buster + Punch Retractive Switch, up to 10 switches can be used per circuit.

Press retractive toggles to switch lights ON/OFF. Press and hold toggle to increase brightness, release and press and hold to decrease brightness.

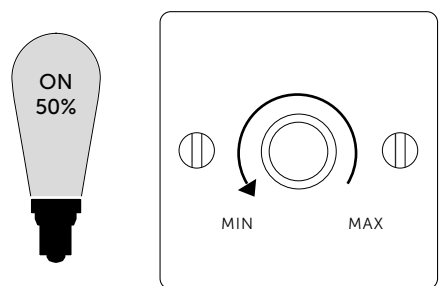


## MINIMUM BRIGHTNESS LEVEL SETTING

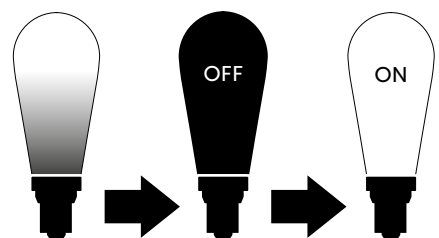
How to set the minimum brightness level:



When the lamp is switched **ON**, press and hold **"PUSH KNOB"** for 3-5 sec until the lamps appear at half their brightness level.



Rotate the knob to program the minimum brightness levels.



Each step must be performed within 15 seconds; if not, it will automatically exit the program without saving.

## MODE SETTING

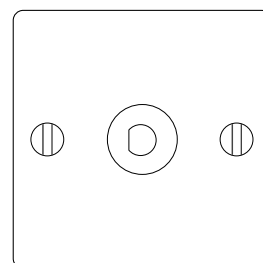
How to manually change the **MODE SETTING** (Factory default TE auto mode):



Remove the dimmer knob to view the LED indicator.

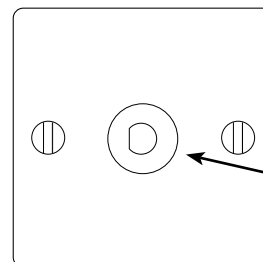
The LED indicator show below:

GREEN Light – TE auto mode  
GREEN + RED Light - TE mode  
RED Light - LE mode

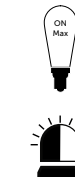
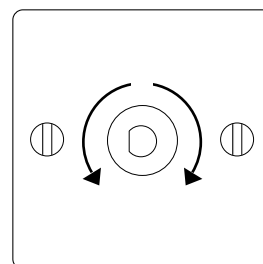


Pull to remove the dimmer knob to view the **LED** indicator.

Turn OFF the lamp



Press and hold **"Push Knob"** for around 3-5 sec until the **LED** indicator light starts to flash.



Turn the knob left or right to select desire mode

Push once to save and exit.