







MULTIDIM

Dimmer Modules

Auto Detect Intelligent Universal LED dimmer

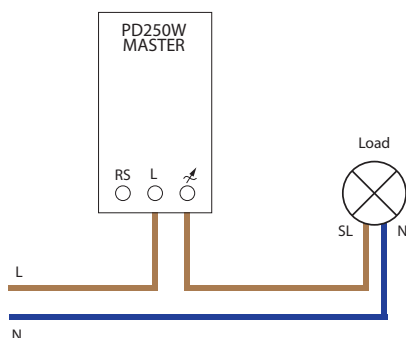


PD250 Master : **PD250W MASTER**
 PD250 Slave : **PD250W SLAVE**

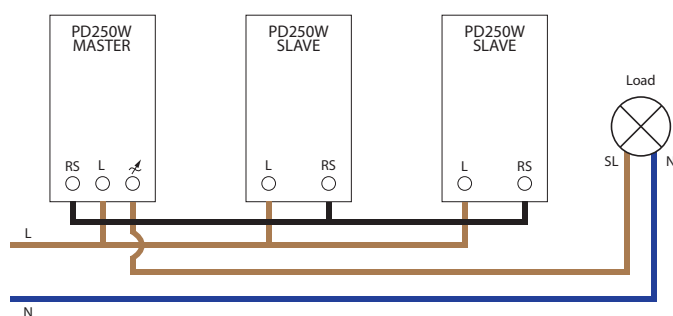
Parameter	Value
Supply voltage & Frequency	220-240V ~ 50Hz
Rating	10-350W incandescent lamps, high voltage halogen lamps and electronic step-down converter for extra low-voltage incandescent lamps. 3-100W dimmable LED lamps.
Dimming Technology 	Auto Detect Trailing / Leading edge driven control Also, Leading edge dimming mode can be set by user manually.
Compatible loads for TE auto mode	LED  Dimmable  Dimmable LED lighting with compatible Electronic Transformers
	 Incandescent lighting, MV Halogen lamps
	 LV Halogen Lighting with electronic transformers
	 LV Halogen Lighting with Iron-core transformers
Operating Temperature	0° - 45°C
Operating Humidity	10 - 90% R.H.
Mounting Centres	85mm UK Pattern Plate

- Suitable for 1-way or Multi-way dimming. Using the PD250 Slave dimmer or retractive switches.
- Minimum load down to 3W of capacitive or resistive load, such as dimmable LEDs, incandescent, MV Halogen/ LV Halogen, with electronic transformers.
- Lamp soft-start operation, to extend the lifetime of the lamp.
- LED backlight to indicate the dimming mode.
- User setting for minimum dimming level.
- Built in short circuit protection, designed to ensure the dimmer can survive in case of faulty wiring or load failure.
- Built in resettable thermal cut-out to protect the dimmer.
- Complies with IEC EN60669 and international safety standards.

Wiring 1 Way



Wiring 2 Way (Multi-Dim) Using the PD250 Slave or any retractive switch



INSTALLATION

Wiring Details :

1. Disconnect power. Lock out and tag the relevant circuit at the mains switchboard.
2. Remove existing switch from wall.
3. Connect the dimmer in accordance with the wiring diagrams.
4. Refit dimer to wall.
5. Reconnect power. Push ON and dim.

NOTE:

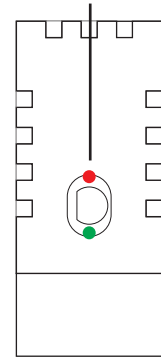
The Dimmer must always be connected to the LINE side of the load. Multi-way retractive switch or push switch can be control up to 20 units for UP/DOWN dim and ON/OFF function.

Two or more dimmers **MUST NOT** be connected in parallel or series to control the same load from two different locations.

How to set Mode

1. Turn load off. Press and hold “Push Knob” around 15 seconds, LED indicator light turns off, release “Push Knob” and LED indicator light starts FLASHING.
2. Now in mode setting. Turn the knob left or right to select the mode.
 - Green light = Auto mode (select leading or trailing edge, based on the load)
 - Green & Red light = Trailing Edge mode
 - Red light = Leading Edge mode
3. LED indicator colour shows select status, then push once to confirm save and exit.

Indicator Lights



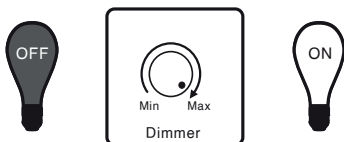
How to set the Minimum Brightness level:

1. Turn load on. Press and hold “Push Knob” around 15 seconds, until the light turns on at half-brightness.
2. Now in minimum Brightness setting.
3. Set your desired minimum brightness. To save, press the “Push Knob” once again, lights will return to maximum brightness, saving the setting.

Each step must be performed within 15 seconds. If not, it will time out and auto exit program without save.

NORMAL OPERATION

Operation of Dimmer Knob and Push Switch :



Push knob ON or Push knob OFF.

Turn knob right to increase brightness to maximum level until RED light flashes.

Turn knob left to decrease brightness to minimum level until GREEN light flashes.

Operation of Multi-way Retractive Switch :



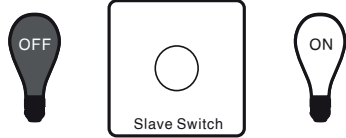
Short press button to ON or OFF.

Toggle switch to dim.

Press and hold dim up until maximum level,
or release, press and hold dim down until minimum level.

NORMAL OPERATION

Operation of Push Button Slave Switch :



Short press button to ON or OFF.

Toggle switch to dim.

Press and hold dim up until maximum level,
or release, press and hold dim down until minimum level.

Manufacturer	Code	Maximum Load
Lamps		
LED United	REAL GUI0D	2-14
LED United	REALRETRO5	2-20
LED United	REALMODULE	2-10
LED United	REAL25MM	2-14
LED United	OPTIC	2-14
LED United	REALMR16D	2-14
LED United	REALMR8	2-20
Tungstram	LEDGUI0 5.5W	2-18
Tungstram	LEDGLGU106	2-16
Crompton	LEDCANDLE 5W	2-20
Drivers	Code	Maximum Load
LED UNITED	DIMDRIV2 24 V	100W

Multi-Dim PD250 Master Dimmer modules are compatible with Multi-Dim PD250 Slave Dimmer modules or retractive switches. You cannot use this dimmer with standard 2-way rocker switches.

IMPORTANT!

It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorised by legislation to work on the fixed wiring of any electrical installation. "This dimmer shall be protected by a 6A or up to a 10A maximum miniature circuit breaker, which is special use with this dimmer."

WARNING : ELECTRIC SHOCK HAZARD

Hazardous voltage maybe present at the output of the dimmer despite setting the dimmer to zero brightness level. Look out and tag the input circuit before accessing the wiring connections. Failure to follow this warning can result in death or serious injury.