



> INNOVA < Series

Electronic: Dimmer control switches

No. REFERENCE SERIES	
103.801	103.811
103.802	103.812



VERSIONS	
	One way 500 – 1.000W
	Two way 500 – 1.000 W

REFERENCE STANDARDS
Standard : BS EN 60669-2-1 (2004)

MARKING

QUALITY MARKS

TECHNICAL CHARACTERISTICS
Rated load: 500 – 1.000W
Rated voltage: 250V~
Frequency: 50Hz
Insulating voltage: 250V~
Operating temperature: -5°C+40°C
Protection degree: IP20
Glow wire test : 850°C
Max. installation altitude: 2.000 m
Mounting box type : Flush 1 gang (min. deepness: 35mm) Surface 1 gang (min. deepness: 35mm)
Material: Engineering plastic
Colour: White RAL 9016

PRODUCT RANGE/RATINGS			
Product Code	Load Rating	Supply Voltage Range (V)	Supply Frequency (Hz)
103.801	500	200-250	50
103.811	1.000	200-250	50
103.802	500	200-250	50
103.812	1.000	200-250	50

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS										
Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
RESISTANT	LIMITED RESISTANCE	RESISTANT	LIMITED RESISTANCE	RESISTANT	RESISTANT	NOT RESISTANT	NOT RESISTANT	RESISTANT	LIMITED RESISTANCE	RESISTANT

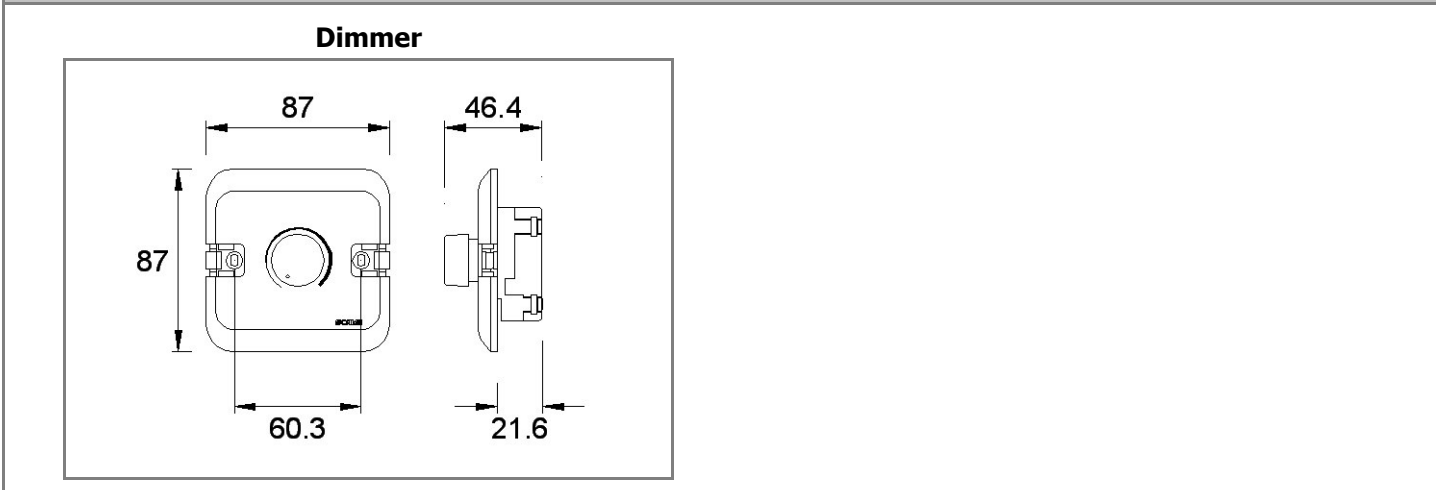
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DIMENSIONS



LEAFLET

Caution: Operate dimmer with fused GLS Tungsten Filament lamps only conforming to BS 161 and ensure that the Lamp Load is not less than the Minimum load figure and not greater than the Maximum Power / Load figure printed at the rear of the dimmer.

Note: The dimmers in this range are not designed for use in Low Voltage Lighting Systems, in conjunction with wire wound or electronic Low Voltage Transformers.

INSTALLATION

- 1) Switch off the Mains Supply. Refer to Product Specification and Safety instructions before starting installation work.
- 2) Strip back Supply Cable outer sheath and trim wires to the appropriate length to allow cable ends to reach terminals.
- 3) Carefully strip Red and Black Insulation by 8mm and place Red Sleeve over the Black Insulation.
- 4) Slide a length of green/yellow insulating sleeve on to bare earth wire, if present, and connect to the earth terminal in the mounting box.
- 5) You must connect the wires to the correct terminals of the Dimmer. DO NOT Connect Earth to any of the Dimmer terminals.
- 6) Insert the bared ends of the wire fully into the relevant terminals and securely tighten the Terminal Screws. (Refer to fig. 1 for one way switching and fig. 2 for two way switching).
- 7) Carefully push wired Dimmer back into the Mounting Box and tighten the screws ensuring cables are not trapped or pinched.

Note : Install the dimmer with its terminals at the bottom in order to keep the heat dissipated from the suppression choke at the top, thereby allowing other electronic components to operate at a lower temperature.

The completed installation should be tested in accordance with the current IEE wiring regulations by a qualified electrician.

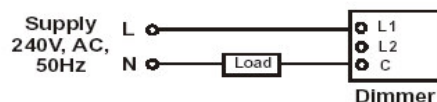


Fig. 1 One Way Switching

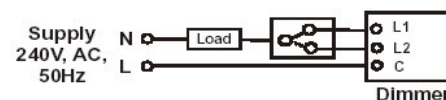


Fig. 2 Two Way Switching

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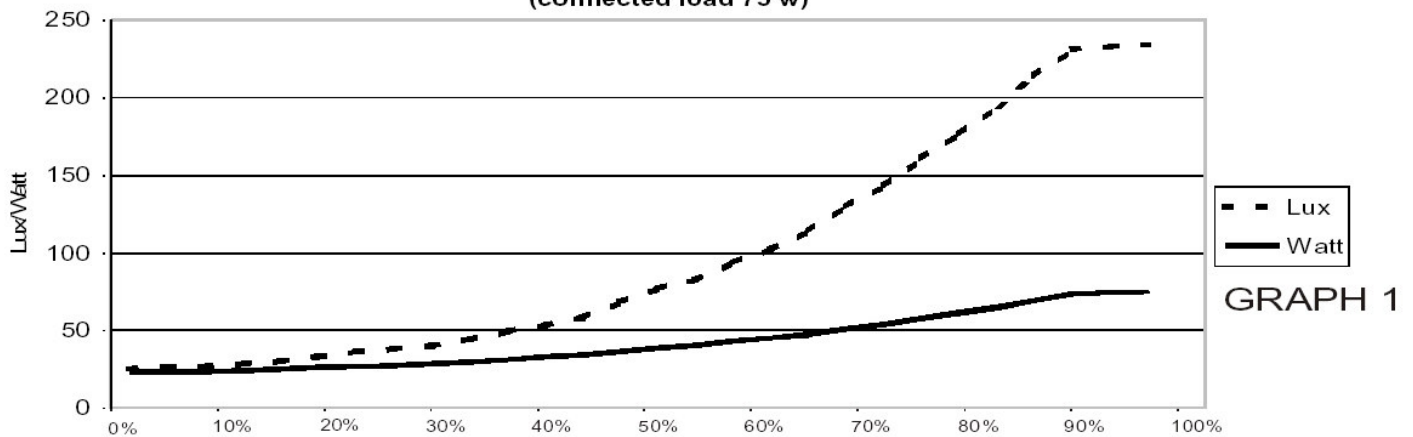
SAFETY INSTRUCTIONS

- 1) To avoid the risk of electrocution, turn off the mains electricity supply before commencing work.
- 2) This product should be installed by a competent person (e.g. a qualified electrician) in accordance with these instructions and the appropriate clauses of the current edition of the IEE Wiring Regulations (BS 7671).
- 3) Operate the Dimmer in the voltage range mentioned in PRODUCT RANGE / RATINGS.
- 4) Do not use the Dimmer Switch with fluorescent lamps or Energy saving Lamps.

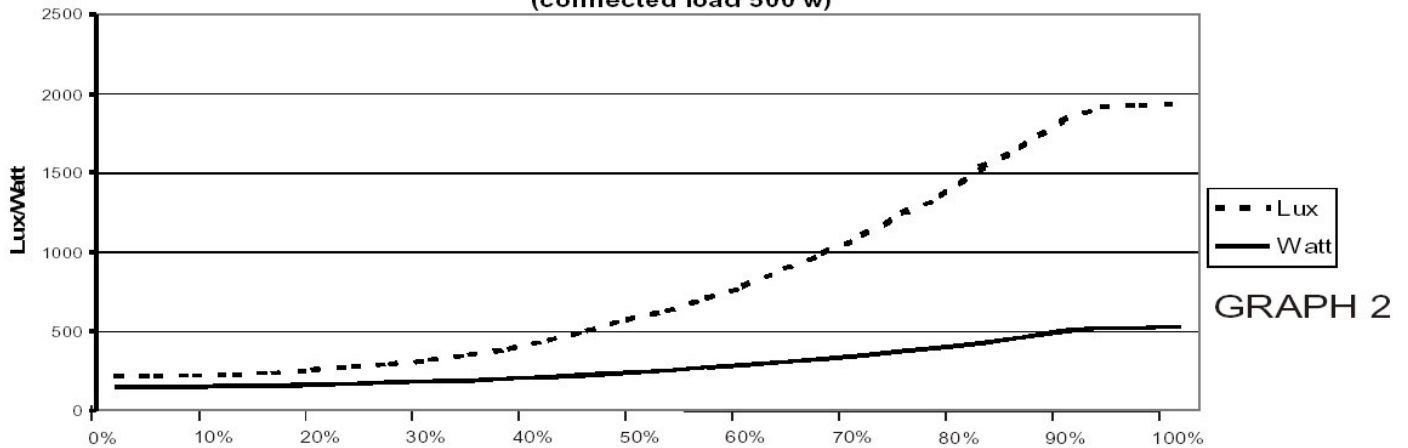
DIMMER LUX/WATT Vs KNOB POSITION GRAPHS

Note: The lux values shown below are measured from a distance of 2 feet from the light source.
Total movement of knob: 270 degrees

**Dimmer 500w push on/off 1way & 2way scame range
(connected load 75 w)**

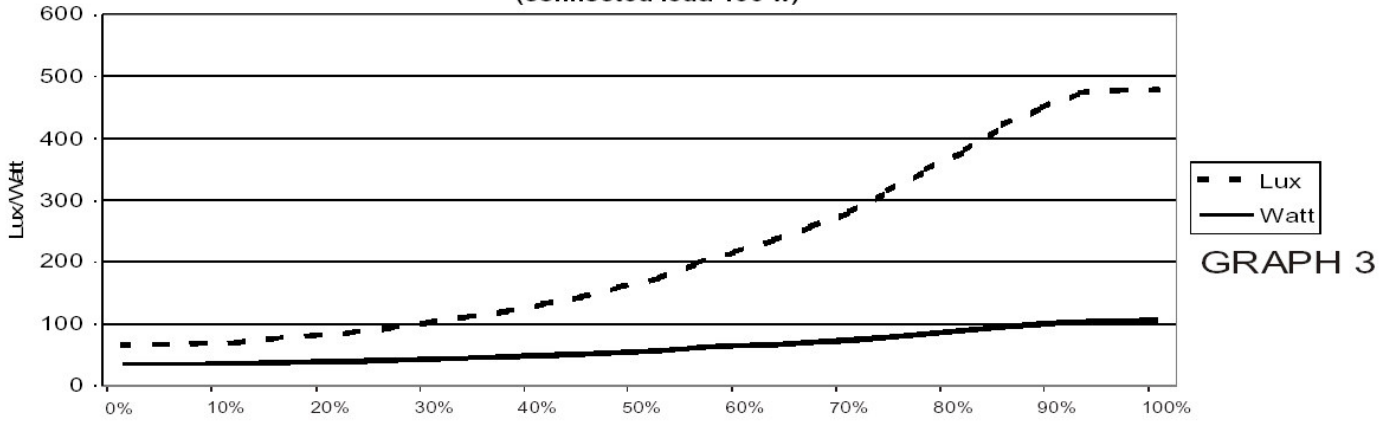


**Dimmer 500w push on/off 1way & 2way scame range
(connected load 500 w)**



LEAFLET

**Dimmer 1000w push on/off 1way & 2way scame range
(connected load 100 w)**



**Dimmer 1000w push on/off 1way & 2way scame range
(connected load 1000 w)**

