

Electronic Transformers



FEATURES

- Terminal covers and cable clamps
- Output suitable for 20W to 105W loads
- Self resetting, short circuit and overload protection
- Complies with EC, EMC, Low Voltage Directives
- Complies with EMC Emission Standard EN 55015
- Complies with EMC Immunity Standard EN 50082-1
- Class II product, no earth required
- Energy efficient, ensures cool operating temperature
- Low audible noise throughout the dimming range
- Lightweight and compact size, only 180 grammes
- Guaranteed for two years



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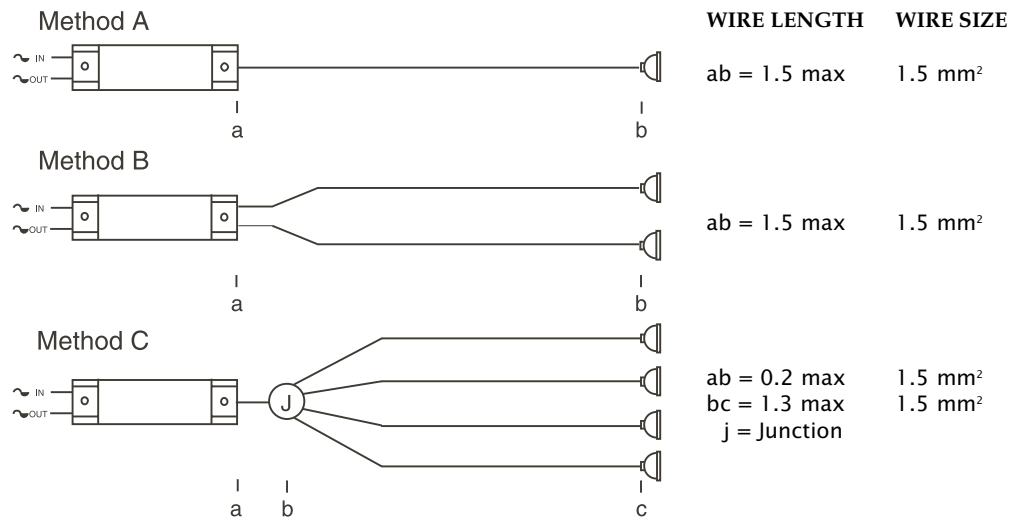


SWITCHING: MAR-104-T DIMMING: MAR-105-T

This **non-dimmable** model is designed for the efficient operation of all switched only low voltage lighting circuits.

This **dimmable** model is designed to provide smooth and stable dimming.

CONNECTION



INSTALLATION INSTRUCTIONS

Installation should be in accordance with the relevant National Wiring regulations and other applicable Regulations. Terminals rated to a maximum of 10 Amps. Wire using solid cable, 2.5 mm maximum. Compliance to the ECEMC and Low Voltage Directives may be invalidated if not used or installed according to the published specification .

Electronic Transformers operate at high frequencies. The output voltage cannot be measured on a standard voltmeter. The output leads should not be separated by more than 10mm and should be kept to a minimum length to achieve optimum regulation and EMC suppression. Electronic Transformers are not recommended for parallel rod or tensioned wire lighting systems. Observe dimmer manufacturer's recommended load ratings. Electronic Transformers should be located in well ventilated areas and should not be covered or enclosed by insulating materials.

LAMP LOADING: (20-105 Watt)		
1 to 5 x 20 watt	1 to 2 x 42 watt	1 x 75 watt
1 to 3 x 35 watt	1 to 2 x 50 watt	1 x 100 watt

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TECHNICAL SPECIFICATION

PRODUCT	MAR-104-T	MAR-105-T
Input: Voltage Current Power Factor Frequency Terminals	220 V, 230 V, 240 V 0.5 amp maximum Cos Ø 0.99 DC or 50/60 Hz Two Live Two Neutral	220 V, 230 V, 240 V 0.5 amp maximum Cos Ø 0.99 DC or 50/60 Hz Two Live Two Neutral
Output: Voltage Current Power Frequency Terminals	11.8 V RMS nominal 8.8 amp maximum 20 to 105 VA 40 KHz Two 0 V Two 12 V (Grey)	11.8 V RMS nominal 8.8 amp maximum 20 to 105 VA 40 kHz Two 0 V Two 12 V (Grey)
Efficiency:	96% typical	96% typical
Regulation:	3.4% 400 mV with 100 mm output leads	3.4% 400 mV with 100 mm output leads
Isolation:	4240 V	4240 V
Temperature: Case rise Ambient Case	30°C at 105 VA 60°C maximum 90°C maximum	30°C at 105 VA 60°C maximum 90°C maximum
Weight:	170 g	170 g
Protection: Short Circuit Overload	Auto-reset Auto-reset	Auto-reset Auto-reset
Fusing: Primary Secondary	Fusible link None required	Fusible link None required
Earth Connection:	None. Class II	None. Class II
EMC Emission:	EN 55015	EN 55015
EMC Immunity:	EN 55082-1	EN 55082-1
Harmonics:	EN 60555-2	EN 60555-2
Safety:	EN 61046 SELV	EN 61046 SELV
Performance:	EN 61047	EN 61047
Case Material:	Flame retardant to UL94-V0 Complies with EC EMC and Low Voltage Directives Use with low voltage lighting (12 V) Construction to EN 60065 Class II Safety isolating transformers, inherently short circuit proof Independent converter	Flame retardant to UL94-V0 Complies with EC EMC and Low Voltage Directives Use with low voltage lighting (12 V) Construction to EN 60065 Class II Safety isolating transformers, inherently short circuit proof Independent converter