

# DTE1210

Trailing Edge Dimmer Controller

Controls a wide range of dimmable electronic transformers

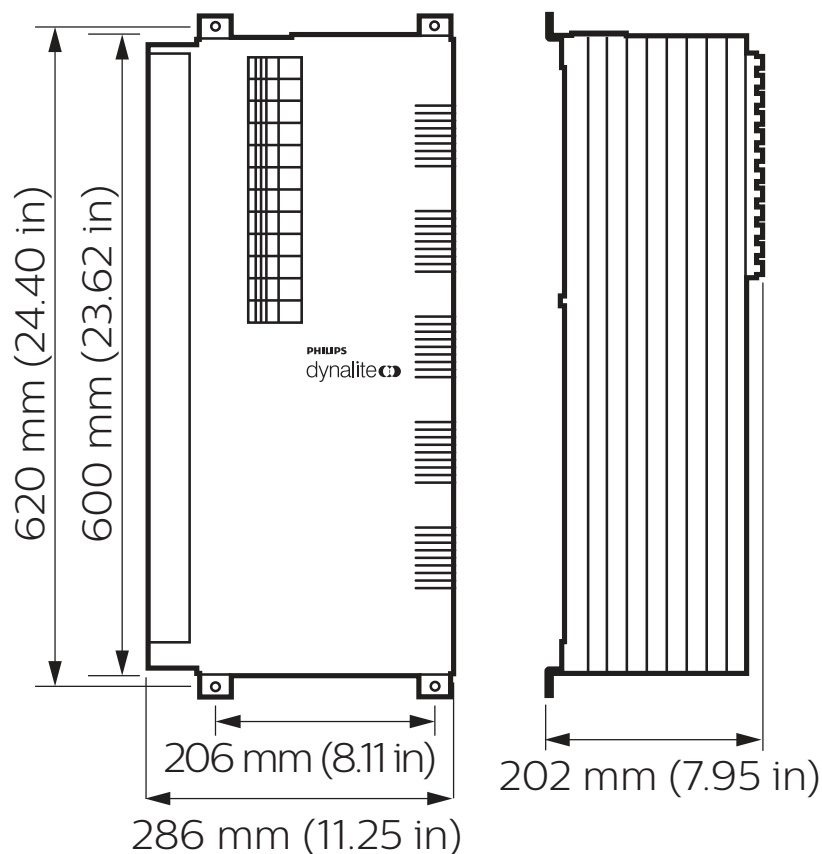
The Philips Dynalite DTE1210 trailing edge dimmer controller features 12 channels, with a maximum load per channel of 10 A and a total box load of 120 A. The trailing edge output makes the device suitable for control of electronic transformers, incandescent lamps and track lighting.

# DTE1210

Controls a wide range of dimmable electronic transformers

- **Operates from three phase supply** – Using a three phase supply when connected to a three circuit track permits the track to be loaded to maximum rating.
- **Dual communication ports** – Enable direct DMX512 integration with theatrical systems
- **Voltage regulation and soft start technologies**
  - Protects lamps and extends life dramatically, minimizing lamp replacement and ongoing maintenance requirements.
- **Naturally ventilated** – Integral ventilation in the housing of the unit means that no forced cooling is required, thereby reducing maintenance.
- **Interface to other devices** – Incorporates multipurpose programmable dry contact and analog inputs for interfacing to other devices.
- **Internal controls** – Programmable logic controller capable of comprehensive conditional and sequential logic and arithmetic function processing.
- **Options available** – Including earth leakage and overload protection on each channel, and three pole circuit breakers.

## Dimensions



# Specifications

Due to continuous improvements and innovations, specifications may change without notice.



## DTE1210

### Trailing Edge Dimmer Controller

#### Electrical

Supply Type	Single-phase Three-phase
Single-Phase Supply	230 VAC (±14%) @ 63 A
Three-Phase Supply	230 / 400 VAC (±14%) $\Delta$ @ 40 A/phase
Backup CPU Supply	12 VDC @ 1 A (SELV / Class 2)
Outputs	12 x trailing edge dimming
Output Channel Rating	≤ 10 A
Total Box Load	≤ 120 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	200 mA
Power Conditioning	Regulated outputs Overvoltage protection Surge protection Brownout / Sag protection Spike protection Soft start 16 bit fade resolution (65,536 steps) Active phase angle firing compensation Inappropriate load detection
Electrical Protection	12 x 10 A circuit breakers (single-pole thermal magnetic, 6 kA surge)
Regulating Device	Dual MOSFET (47 A, 650 V, 141 A surge)
IEC Overvoltage Category	III

#### Control

Serial Ports	1 x RS485 1 x DMX
Supported Protocols	DyNet DMX Rx
DMX Rx Channels	12
Dry Contact Inputs	1 (AUX)
Diagnostic Functions	Device online/offline status
User Controls	1 x service switch 12 x output channel override
Indicators	1 x service LED 3 x phase indicator LED

#### Physical

Dimensions (H x W x D)	600 x 286 x 202 mm (23.62 x 11.46 x 7.95 in)
Packed Weight	16.7 kg (36.82 lb)
Construction	Alloy/steel wall mount case Powder coat finish
Mains Cable Entry	4 x Ø 25 mm knockout on 133 x 44 mm removable gland plate
Data Cable Entry	1 x Ø 25 mm knockout
Serial Ports	2 x RJ12 1 x 6-way screw terminal 1 x 2-way screw terminal
Serial Port Conductor Size	2.5 mm <sup>2</sup> (#12 AWG) (max)
Supply Terminals	4 x screw terminal (Line 1, Line 2, Line 3, Neutral)
Supply Terminal Conductor Size	16 mm <sup>2</sup> (#6 AWG) (max)
Load Terminals	12 x 2-way screw terminal (Line, Neutral)
Load Terminal Conductor Size	16 mm <sup>2</sup> (#69 AWG) (max)
Earth Bar Terminals	14 x screw terminal
Earth Bar Terminal Conductor Size	2 x 16 mm <sup>2</sup> (#6 AWG) (max) 12 x 5mm <sup>2</sup> (#10 AWG) (max)

#### Environment\*

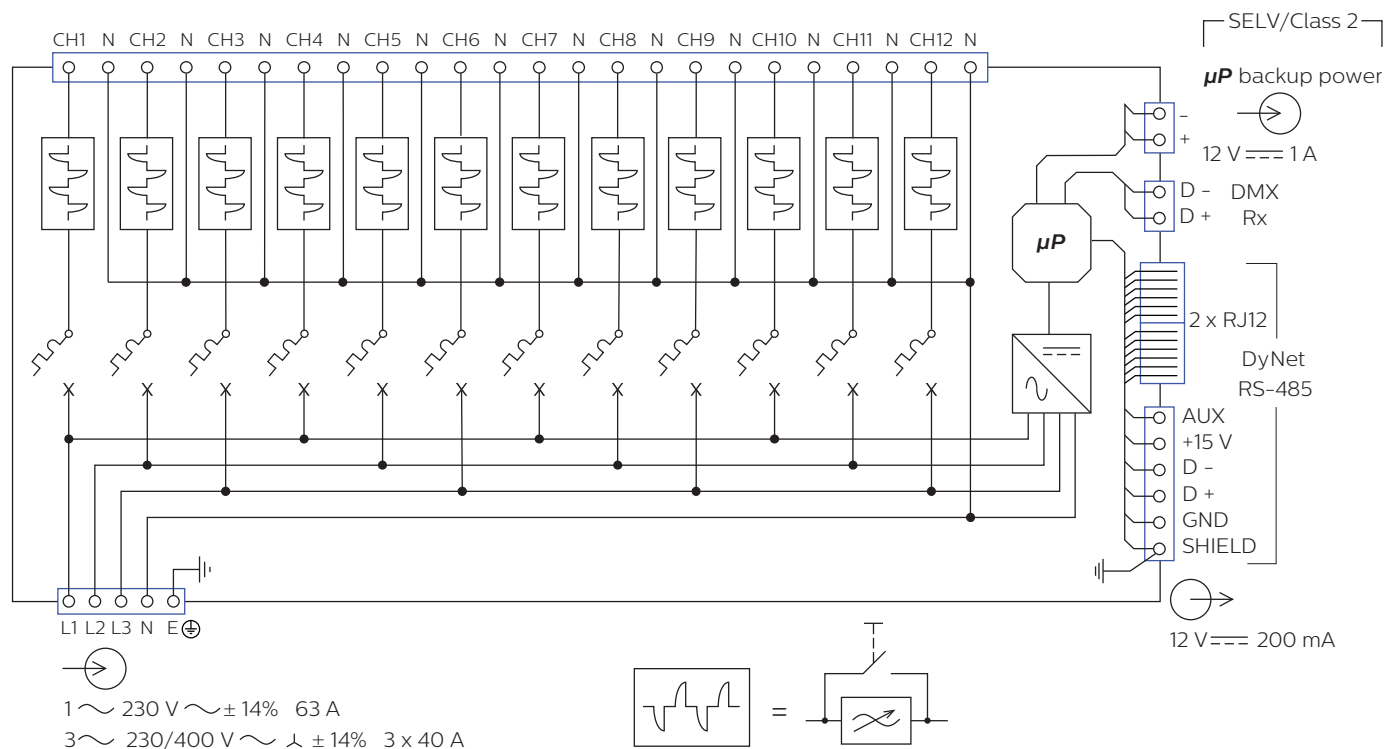
Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

#### Compliance

Certification	CE, RCM, UKCA, RoHS
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\* For indoor installation only

# Electrical



## Ordering Code

Product	Philips 12NC
DTE1210 (Standard)	913703022009
DTE1210-RCBO (Earth leakage and overload protection)	913703022609
DTE1210-RCBO-3POLE (RCBO and 3-pole circuit protection)	913703021609



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