## **PHILIPS**



# DBC1210 & DBC1220GL Dimmer Controllers

The DBC1210 & DBC1220GL are designed for use with DALI, 1-10V and DSI electronic dimmable fluorescent ballasts and transformers. They have 12 x 10A and 12 x 20A relay outputs respectively, to switch fluorescent lighting or other loads in a DyNet energy management system. Twelve control outputs, selectable to DALI Broadcast, 1-10V and DSI are provided for control of HF ballasts.

technical data >>>



#### **Switched Outputs**

DBC1210 - 12 x switched outputs at 10A (total device load is 120A)
DBC1220GL - 12 x switched outputs at 20A (total device load is 180A)

#### **Control Outputs**

- DALI Broadcast mode: 64 ballast per channel, up to a maximum of 400 - 1-10V mode: 50mA sink/source per
- DSI mode: 100 ballast per channel, up to a maximum of 1200

#### **Overload Protection**

DBC1210 - 12 x 10A 6kA single pole thermal magnetic circuit breakers DBC1220GL - 12 x 20A 6kA single pole thermal magnetic circuit breakers

#### **Switching Device**

DBC1210 & DBC1220GL - Relay - 50A 230V AC inductive (5000W lighting load rated)

#### Control IO

1 x RS485 DyNet serial port / DMX 1 x programmable dry contact AUX input

## **User Controls**

Service Over-ride switch - All channels to 100% Diagnostic LED **DyNet DC Supply** 

12V @ 120mA (supply for approx. 6 panels)

#### **Preset Scenes**

170

**Diagnostic Functions**Device Online/Offline status

Supply Terminals

DBC1210 - L1, L2, L3
1 x 16mm² max conductor size
DBC1220GL - L1, L2, L3
1 x 35mm² max conductor size
Neutral Link bar provided
Earth Link bar provided

#### **Output Terminals**

Line for each channel
1 x 10mm² max conductor size
Neutral Link bar provided
Earth Link bar provided
V/DSI/DALI, +V/DSI/DALI for each
channel
1 x 4mm² max conductor size

#### **Cable Entries**

Mains - 4 x 25mm dia. knockouts mounted on a 88mm x 88mm removable gland plate

Data - 1 x 25mm dia. knockout Output - 6 x 25mm dia knockouts on side of chassis

#### Operating Environment

0° to 40°C ambient temperature 0% to 90% RH non condensing

#### Compliance

CE, C-Tick

### Construction

Alloy/Steel wall mount case with epoxy finish

#### Dimensions

H 457mm x W 252mm x D 126mm (-RCBO version H 585mm)

#### Weight

Packed weight 10.25kg

load compatibility >>>

DALI fluorescent ballasts broadcast mode only

DALI low voltage transformers 1-10V fluorescent ballasts DSI fluorescent ballasts DSI low voltage transformers Switched loads

options }}}

Extra RS485 DyNet/DMX512 port -A Earth leakage and overload protection on each channel - RCBO (Note: larger enclosure)

Three pole circuit breakers **-3POLE** Circuit breaker trip reporting **-BT** 

# **PHILIPS**



# DBC1210 & DBC1220GL Dimmer Controllers

# electrical diagram )))

#### O CH1 Supply: L2 💠 230V L3 O CH2 3 Phase NO ∕。 о снз **%** о сн4 O CH5 6 **% О СН6** ტ CH7 % о сна о сня % O CH10 **о** сн11 0/0 O CH12 ф сомм **-**0 2 DALI -<mark>О СОММ</mark> -О 3 ⊸ сомм DALI \_\_\_\_\_\_ -10V / DSI / DALI -о сомм -0 5 SHIELD - о сомм GND O **0** 6 I-10V / DSI DALI DyNet D+ - сомм

DALI

-10V / DSI DALI 1-10V / DSI

DALI

\_\_\_\_\_\_ 1-10V / DSI

DALI

-10V / DSI DALI **-** 0 7

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-0 10 -0 COMM

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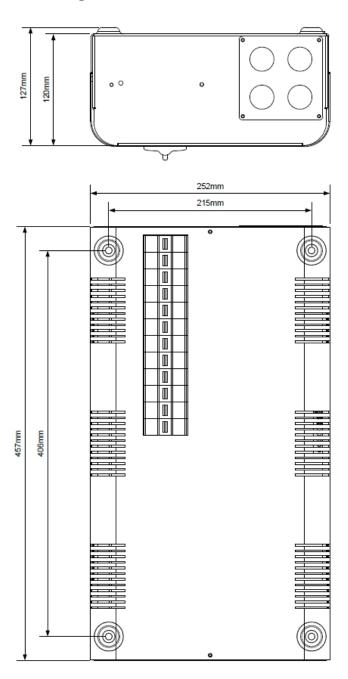
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# mounting dimensions >>>



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RS485 D - 0

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