

The DBC410 is designed for use with electronic dimmable fluorescent ballasts, either 1-10V or DSI. It has 4 heavy duty 10A relay outputs to switch fluorescent lighting or other loads in a DyNet energy management system. Four control outputs, selectable to 1-10V DC and DSI, are provided for control of HF ballasts. These control outputs can operate in tandem with or separately from the switched outputs.

technical data >>>



**Supply**

230V ±14% 50/60Hz Single Phase at 40A

**Mains Outputs**

4 x switched outputs at 10A

**Control Outputs**

4 x 1-10V DC or DSI outputs  
DSI Mode: 100 DSI ballasts per channel  
1-10V mode: 50mA sink, 50mA source per channel

**Overload Protection**

4 x 10A 6kA single pole thermal magnetic circuit breakers

**Switching Device**

Relay 16A nom. (resistive) 165A surge

**Control IO**

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

**User Controls**

Service Over-ride switch - All channels to 100%  
Diagnostic LED

**DyNet DC Supply**

12V @ 90mA (supply for approx. 4 panels)

**Preset Scenes**

170

**Diagnostic Functions**

Device Online/Offline status

**Supply Terminals**

Line, Neutral  
1 x 10mm<sup>2</sup> max conductor size  
Earth Link bar provided

**Output Terminals**

Line, Neutral for each channel  
2 x 4mm<sup>2</sup> max conductor size  
Earth Link bar provided

**V/DSI, +V/DSI for each channel**

1 x 2mm<sup>2</sup> max conductor size

**Cable Entries**

Mains - 1 x 75mm x 53mm removable gland plate  
Data - 1 x 25mm dia. knockout

**Operating Environment**

0° to 50°C ambient temperature  
0% to 95% RH non condensing

**Compliance**

CE, C-Tick

**Construction**

Alloy/Steel wall mount case with epoxy finish

**Dimensions**

H 320mm x W 225mm x D 75mm  
(excludes wall brackets)

**Weight**

Packed weight 4.0kg

load compatibility >>>

Switched loads  
DSI high frequency fluorescent ballasts

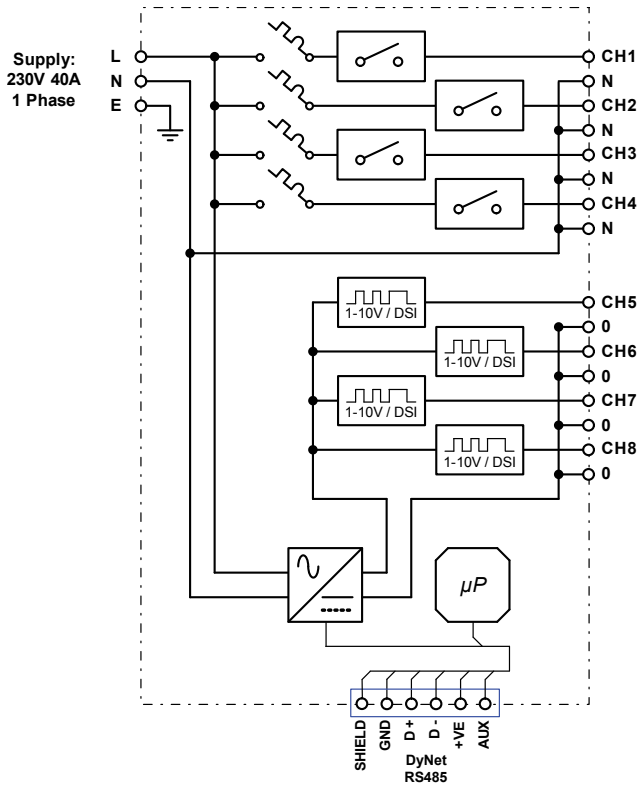
DSI low voltage transformers  
1-10V high frequency fluorescent ballasts

options >>>

Extra RS485 DyNet/DMX512 port **-A**  
Earth leakage and overload protection on each channel **-RCBO**

Circuit breaker trip reporting **-BT**

electrical diagram )))



mounting dimensions )))

