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DBC410 Dimmer Controller

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 10mm² max conductor size Earth Link bar provided

Output Terminals Line, Neutral for each channel 2 x 4mm² max conductor size Earth Link bar provided

V/DSI, +V/DSI for each channel 1 x 2mm² 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

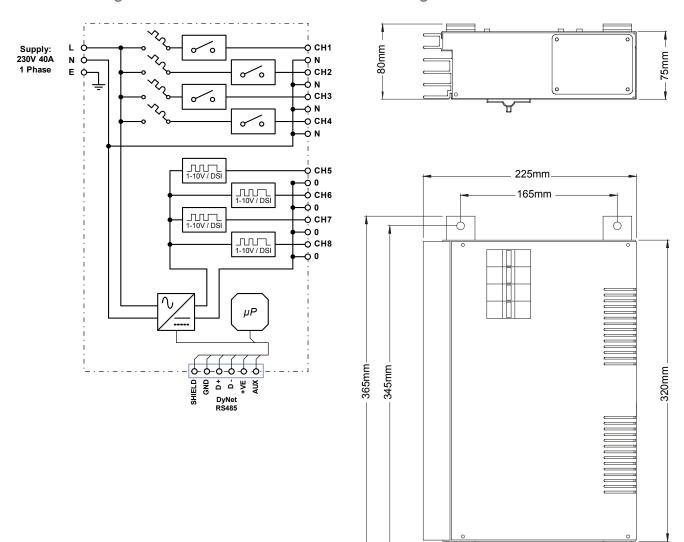
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electrical diagram >>>

mounting dimensions >>>

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