

The DRC810DT relay controller is designed for operation of general purpose switched loads in applications where facilities for input connection are also required. Incorporating voltage free change-over SPDT output relays, the DRC810DT is ideal for controlling bi-directional motors, such as those used for curtains. The device is also suitable for connection to third-party systems where a low voltage contact interface is required. Multipurpose programmable dry contact and analogue inputs are also provided for interfacing to other devices. The DRC810DT also incorporates a Programmable Logic Controller that can process comprehensive conditional and sequential logic and arithmetic functions.

technical data >>>



Supply

230V ±14% 50/60Hz Single Phase at 0.1A

Switched Outputs

8 x SPDT voltage free changeover contacts

maximum ratings for each output:

- NO contact – 10A 250V AC (resistive)

10A 30V DC (resistive) TV8 rated

- NC contact – 5A 250V AC (resistive) 5A

30V DC (resistive)

* Snubbers/spark killers not fitted, de-rate for reactive loads.

* All 8 outputs must be on the same Phase.

* Functional isolation only between switched outputs, do not mix SELV and non-SELV loads on the same DRC810DT.

Maximum Total Box Load

80A

Control IO

1 x RS485 DyNet serial port / DMX

1 x AUX programmable dry contact input

8 x multi-purpose programmable dry contact / 0-5V / 0-10V DC analogue inputs

User Controls

Service Over-ride switch - All channels to 100%

Diagnostic LED

Internal Controls

Programmable Logic Controller

DyNet DC Supply

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

Preset Scenes

170

Supply Terminals

Line, Neutral

1 x 4mm² max conductor size

Output Terminals

C, NO, NC for each channel

1 x 4mm² max conductor size

Earth link bar provided

Cable Entries

Mains – 1 x 75mm x 53mm removable gland plate

Data – 1 x 25mm dia. knockout

Dry Contact Terminals

1 x 1mm² max conductor size

Diagnostic Functions

Device Online/Offline status

Compliance

CE, C-Tick

Operating Environment

0° to 50°C ambient temperature

0% to 95% RH non condensing

Construction

Alloy/Steel wall mount case with epoxy finish

Dimensions

H 320mm x W 225mm x D 75mm

(excludes wall brackets)

Weight

Packed weight 3.5kg

load compatibility >>>

Any switched load, up to 10A per channel

Dry contact interface units

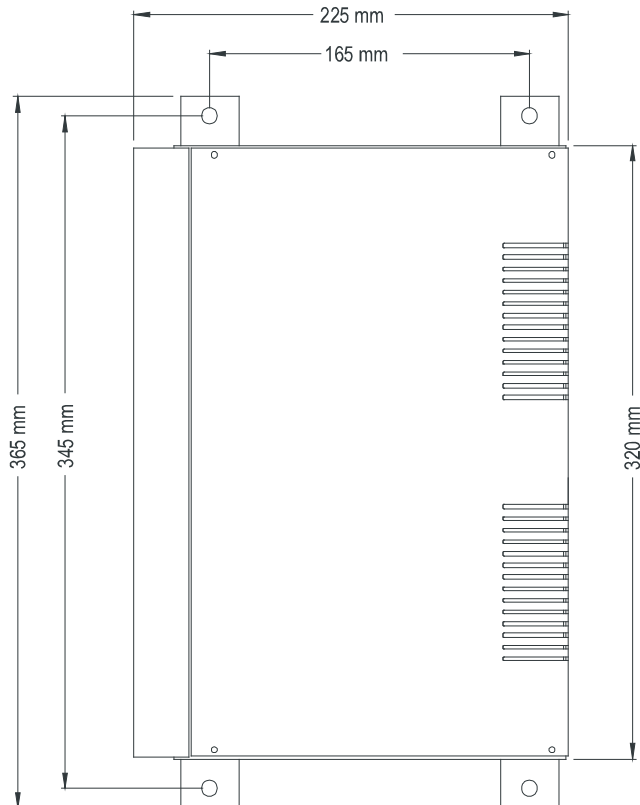
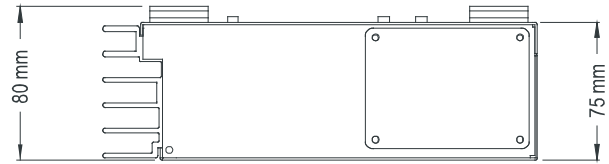
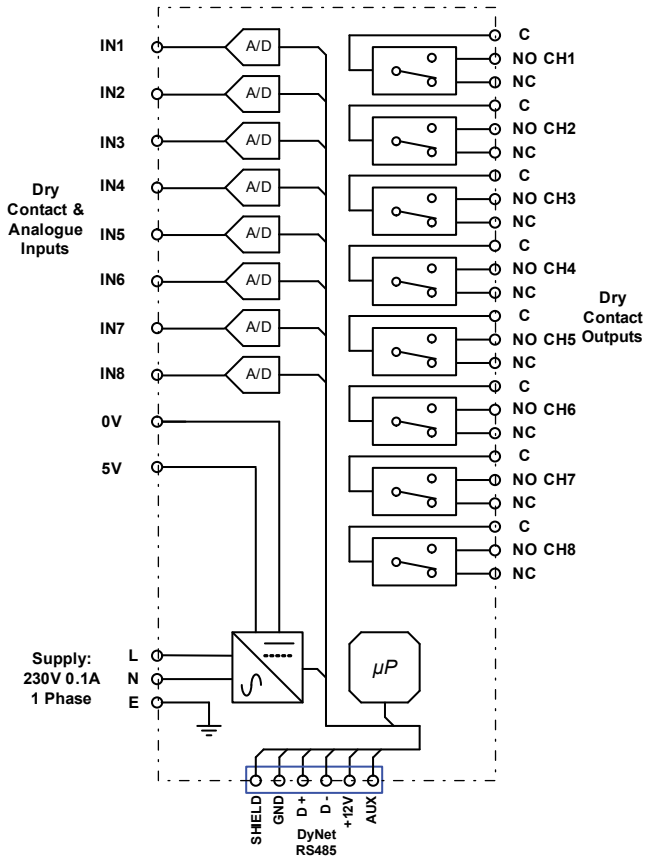
Blind motors

Loads requiring changeover contacts

Curtain motors

electrical diagram)))

mounting dimensions)))



For further information contact:

