

Relay and Multi-use Controllers

As one of the most popular forms of lighting control, relay and multi-use devices can have the most impact to energy management and lighting control. Available in both DIN rail and wall box configuration, Philips Dynalite supports a vast range of relay controllers with a variety of circuit numbers and sizes to work individually or as part of a system, suiting any project requirement. Each device can store over 170 presets, allowing the recall of complex switching logic from simple network messages. As the required preset scenarios are stored within each relay device, the commissioning process and network messages are simplified.



DMRC210 Relay Controller

The DMRC210 is designed to allow intelligent, networked control of individual lighting fixtures. The compact design enables the unit to be mounted directly within the gear enclosure of many fixtures. Each relay controller incorporates two relay outputs which can be used

to control mains supply to the luminaire and to provide an intensity control when used with tapped ballasts. The relays are very robust and are fully rated for difficult lighting loads.

- 230V \pm 14% 50/60Hz Single Phase at 20A
- 2 x switched outputs at 10A (inductive)
- Relay, Tungsten Carbide pilot contact, 12A inductive, 120A surge
- 1 x RS485 serial port – DyNet & DMX512
- Dimensions: L 185mm W 44mm x D 38mm
- Packed weight: 0.19kg



DDRC810DT-GL – 8 x 10A Multi-use Relay Controller

The DDRC810DT-GL controllers are designed to operate any type of switched load. The DDRC810DT-GL incorporates voltage free changeover SPDT type output relays, making the device ideal for controlling bi-directional motors, such as curtain motors.

The DDRC810DT can also be used for system integration where a low voltage contact interface is required. The devices are DIN rail mountable, designed for installation within a switchboard or next to circuit

breakers feeding the circuits to be controlled. The devices can operate as stand-alone units or as part of an integrated system when connected to a DyNet network.

- 230V \pm 14% 50/60Hz Single Phase at 0.1A
- 8 x switched outputs at 10A. Total device load 40A
- Relay outputs are dry contact single pole double throw (SPDT)
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 86mm x W 209mm x D 66mm
- Packed weight: 0.82kg

Optional – MO version also includes:

- Bypass switches (on/off/auto) for each channel
- LED status indicators for each channel
- Diagnostic LED and service switch on front panel



DDRC810GL – 8 x 10A Relay Controller

The DDRC810GL controllers are designed to operate any type of switched load. The DDRC810GL incorporates common supply SPST output relays, suitable for ON/OFF control of all types of mains rated equipment.

The device is DIN rail mountable, designed for installation within a switchboard or next to circuit breakers feeding the circuits to be controlled. The devices can operate as stand-alone units or as part of an integrated system when connected to a DyNet network.



- 230V \pm 1.4% 50/60Hz Single Phase at 20A
- 8 x switched outputs at 10A. Total device load 20A
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 86mm x W 209mm x D 66mm
- Packed weight: 0.82kg

Optional – MO version also includes:

- Bypass switches (on/off/auto) for each channel
- LED status indicators for each channel
- Diagnostic LED and service switch on front panel



DDRC420FR – 4 x 20A Relay Controller

The DDRC420FR is designed to control any type of switched load. The power circuit is of a "feed through" design and is electrically equivalent to a four pole contactor; with the additional advantage of each pole being separately controllable via the DyNet network.

The DDRC420FR is DIN rail mountable, designed to be installed in a switchboard next to the circuit breakers feeding the circuits to be controlled. Each channel is fitted with a hardware override switch

which is accessible from the front panel. This switch also provides visual indication of the state of each channel. The relays are very robust, and are fully rated for difficult lighting loads.

- 230V \pm 1.4% 50/60Hz Single Phase at 0.1A
- 4 x switched feed through outputs at 20A (inductive)
- Override switch and status indicator for each channel
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 93mm x W 105mm x D 75mm
- Packed weight: 0.8kg

DDRC820FR – 8 x 20A Relay Controller

The DDRC820FR is designed to control any type of switched load. The power circuit is of a “feed through” design and is electrically equivalent to an eight pole contactor, with the additional advantage of each pole being separately controllable via the

DyNet network. The DDRC820FR is DIN rail mountable, designed to be installed in a switchboard next to the circuit breakers feeding the circuits to be controlled. Each channel is fitted with a hardware override switch which is accessible from the front panel.

- 230V \pm 14% 50/60Hz Single Phase at 0.1A
- 8 x switched feed through outputs at 20A (inductive)
- Override switch and status indicator for each channel
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 86mm x W 209mm x D 66mm
- Packed weight: 1.0kg



DDRC1220FR-GL – 12 x 20A Relay Controller

The DDRC1220FR-GL is designed to control any type of switched load. The power circuit is a “feed through” design and is electrically equivalent to a 12 pole contactor, with the additional advantage of each pole being separately controllable via the

DyNet network. The DDRC1220FR-GL is DIN rail mountable, designed to be installed in a switchboard next to the circuit breakers feeding the circuits to be controlled. Each channel is fitted with a hardware override switch which is accessible from the front panel.

- 230V \pm 14% 50/60Hz Single Phase at 0.1A
- 12 x switched feed through outputs at 20A (inductive). Total device load 180A
- Override switch and status indicator for each channel
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 93mm x W 211mm x D 75mm
- Packed weight: 1.0kg





DRC1205 – 12 x 5A Relay Controller

The DRC1205 is a 12 channel relay controller; with a maximum load of 5A per channel. It is used for switching both lighting and non-lighting loads. In areas where it is beneficial to sequentially switch on

large lighting loads, such as factories and indoor sporting arenas, the DRC1205 can be programmed to stagger the switch on of the lights, to minimise peak demand current.

- 400/230V $\pm 14\%$ 50/60Hz 3-Phase Y at 20A per phase or 230V $\pm 14\%$ 50/60Hz Single Phase at 60A
- 12 x switched outputs at 5A
- 3 blocks of 4 channels, each protected by a 20A MCB
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 450mm x W 225mm x D 75mm
- Packed weight: 4.8kg

DRC810DT – 8 x 10A Relay Controller

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.



- 230V $\pm 14\%$ 50/60Hz Single Phase at 0.1A
- 8 x switched outputs at 10A
- Relay outputs are dry contact single pole double throw (SPDT)
- 8 x multifunction inputs; each programmable to 0-5V, 0-10V or dry contact
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 320mm x W 225mm x D 75mm
- Packed weight: 3.5kg

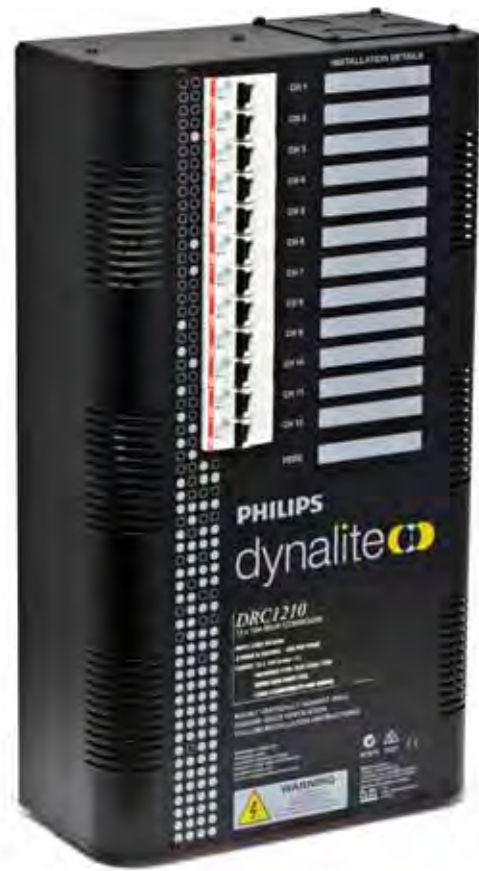
DRC1210 – 12 x 10A Relay Controller

The DRC1210 is a 12 channel relay controller, with a maximum load per channel of 10A.

It is used for switching both lighting and non-lighting loads. The DRC1210 has an optional accessory card for control of electronic dimmable ballasts.

In areas where it is beneficial to sequentially switch on large lighting loads, such as factories and indoor sporting arenas, the DRC1210 can be programmed to stagger the light switch on, to minimise peak demand current.

- 230V \pm 14% 50/60Hz Single Phase at 40A
- 12 x switched outputs at 10A
- Each output protected by a 10A MCB
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 457mm x W 252mm x D 126mm
- Packed weight: 10.25kg



Load Controllers



DRC1220GL – 12 x 20A Relay Controller

The DRC1220GL is a 12 channel relay controller; with a maximum load per channel of 20A. It is used for switching both lighting and non-lighting loads. The DRC1220GL has an optional accessory card for control of electronic dimmable ballasts. In areas where it is beneficial

to sequentially switch on large lighting loads, such as factories and indoor sporting arenas, the DRC1220GL can be programmed to stagger the light switch on, to minimise peak demand current.

- 400/230V \pm 14% 50/60Hz 3-Phase Y at 80A per phase
- 12 x switched outputs at 20A
- Each output protected by a 20A MCB
- Programmable Logic Controller (8 Tasks)
- Dimensions: H 457mm x W 252mm x D 126mm
- Packed weight: 10.25kg