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 a 8 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.

## technical data ⟩⟩⟩



**Control Supply**
100-240V 50/60Hz Single Phase at 0.25A

**Outputs**
8 x Switched feed through outputs at 20A (inductive). Maximum device load 160A

**Relays**
Rated switch current: 50A resistive, 20A lighting load
Rated inrush current: 500A

**Supported wiring schemes**
• Single Phase and Neutral
• Three Phase and Neutral (Star)

**Control IO**
1 x RS485 DyNet/DMX512 serial port
1 x programmable dry contact AUX input

**User Controls**
Service Over-ride switch for each channel
Diagnostic LED

**Internal Controls**
Programmable Logic Controller

**DyNet DC Supply**
12V @ 120mA (supply for approx. 6 panels)

**Preset Scenes**
170

**Supply Terminals**
Line, Neutral, Earth
1 x 4mm$^2$ max conductor size

**Output Terminals**
Line In, Line Out for each channel
1 x 4mm$^2$ max conductor size

**Diagnostic Functions**
Circuit run time tracking
Device Online/Offline status

**Compliance**
CE, C-Tick

**Operating Environment**
0º to 50ºC ambient temperature
0% to 95% RH non condensing

**Construction**
Polycarbonate DIN rail enclosure (12 unit)

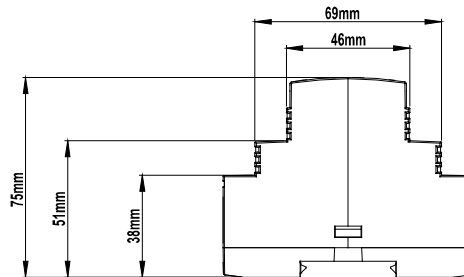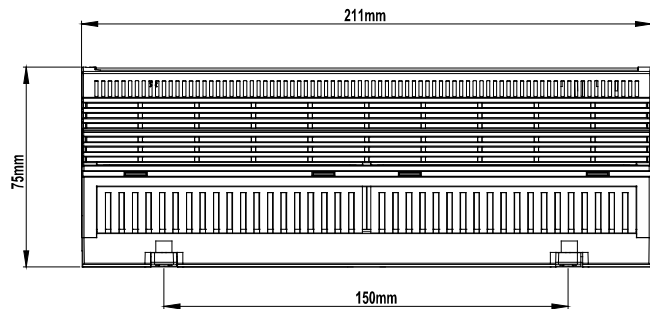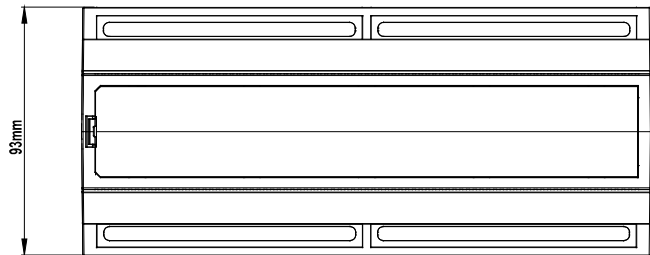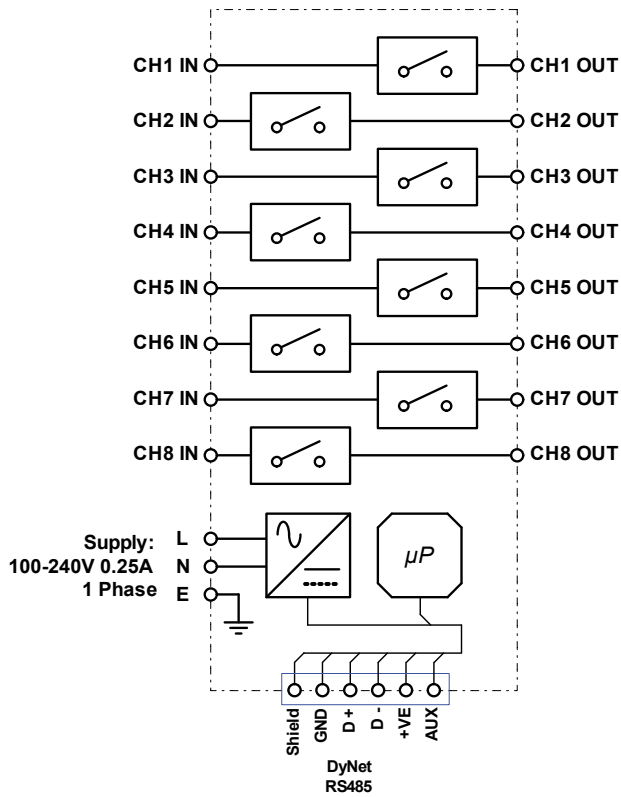**Dimensions**
H 93mm x W 211mm x D 75mm

**Weight**
Packed weight 1.0kg

## load compatibility ⟩⟩⟩

All Types of switched loads up to 20A inductive

## electrical diagram ⟩⟩⟩



CH1 IN — CH1 OUT
CH2 IN — CH2 OUT
CH3 IN — CH3 OUT
CH4 IN — CH4 OUT
CH5 IN — CH5 OUT
CH6 IN — CH6 OUT
CH7 IN — CH7 OUT
CH8 IN — CH8 OUT

**Supply:**
**100-240V 0.25A**
**1 Phase**

L
N
E

µP

Shield  GND  D +  D -  +VE  AUX

**DyNet**
**RS485**

## mounting dimensions ⟩⟩⟩



93mm

211mm

75mm

150mm

69mm
46mm
75mm
51mm
38mm

For further information contact: