

# RDF800C and RDS800C

## 800W Fluorescent Ballast Controller and Switching Module

### What is it?

The RDF800C and RDS800C are single channel 800W fluorescent ballast controllers and switching modules respectively. Both units are designed to be ceiling mounted locally to the luminaires or non-dimmed load and will fit through a standard down-light cut-out. The RDS800C is suitable for switched loads and the RDF800C has an additional 1-10V output for the control high frequency regulating fluorescent ballasts to IEC929 standard..

Their compact design makes them easy to retro-fit, making scene-set installation as simple as possible.

Each unit stores, in non-volatile RAM memory, it's user definable addresses; with up to 256 house and 256 room addresses the largest of schemes can be accommodated.

The dimmers also store their own channel addresses (up to 15 per room) and 4 user programmable scene levels.

Communication with other Rako devices such as the RCP range of control panels via coded FM radio, eliminating the need for control wiring.

### Key Features

800W switching units for non-dimmed loads

RDF800C has additional 1-10V output for control of high frequency regulating fluorescent ballasts to IEC929 standard

Integral auto-resetting 6A fuse

4 user programmable levels and 15 channel addresses per room (60 channels using room grouping)

256 room and 256 house addresses available

Non volatile memory storage

Defaults to full on when powered up

Setting of room, house, channel address and scene levels from the RCP07 scene control panel without the need of a PC

Also suitable for other switched loads. Fountain motors, garage doors etc.

Compact design allowing installation of unit next to, or in some cases, in the light fitting

Easy installation into existing conventional wiring

Receives scene instructions using coded wireless FM radio communication

Multiple units can be set to the same address for larger loads or simply to make wiring easier

Fully CE compliant



### The Benefits

Allows incorporation of fluorescent and non-dimmed loads into a control scenario

Multi way control possible

Simple to retro-fit to existing conventionally wired schemes

Distributed dimmers avoid the requirement for large centrally located racks

Receives commands using FM communications therefore no control wiring required

No disruptive and costly building work to walls and ceilings required

Installation time reduced considerably

Configured using Rako's unique addressing system

Uses the Rako FM network allowing interfacing with audio visual, security and other auxiliary systems

Many additional features available with Rasoft programming software

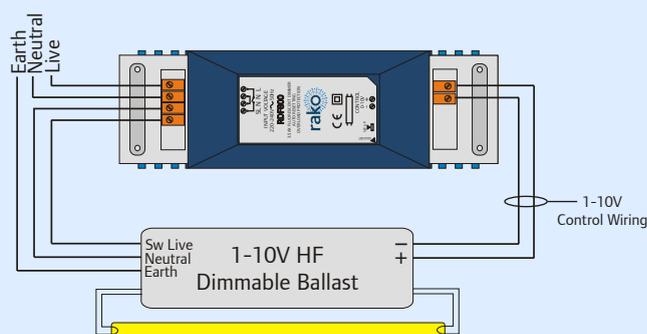
# RDF800C and RDS800C

## 800W Fluorescent Ballast Controller and Switching Module

### Electrical Data

- Supply: 230V +/- 10% 50Hz
- Total Load: 800W switching  
Up to 50 fluorescent ballasts controlled on the 1-10V Output
- Protection: Integral auto-resetting 6A fuse
- Load Types: Non dim loads up to 800W  
1-10V high frequency regulating fluorescent ballasts to IEC929 standard (RDF800C only)
- Minimum Load: N/A
- Terminal sizes: 2.5mm<sup>2</sup>
- Standards: EMC - EN 5011 -1 :1992  
Immunity - EN 50082 - 1 :1997
- Data  
Communication: Rakom coded FM radio
- Memory: Flash memory (non volatile)

### Wiring Schematic

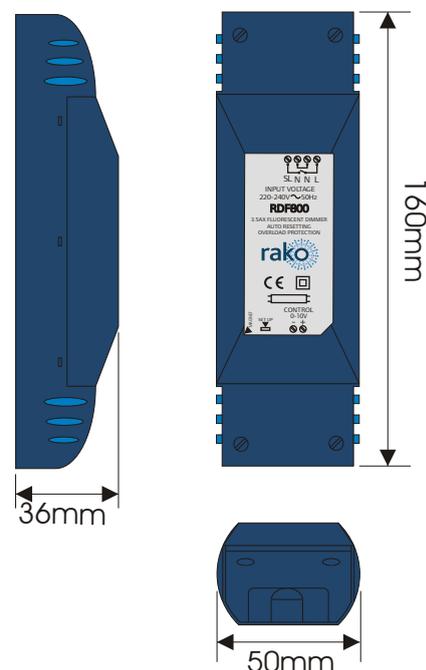


© 2003 Rako Controls Limited

We reserve the right to change the specification and data herewith without notice.

Your Dealer is

### Dimensions



### Mechanical Data

- Weight: 190g
- Climate range: Temperature +2 to +40°C  
Humidity 5 to 90% non condensing
- Housing: Made from UL V0 material

