

### Central Power and Remote Control Chassis

#### Description

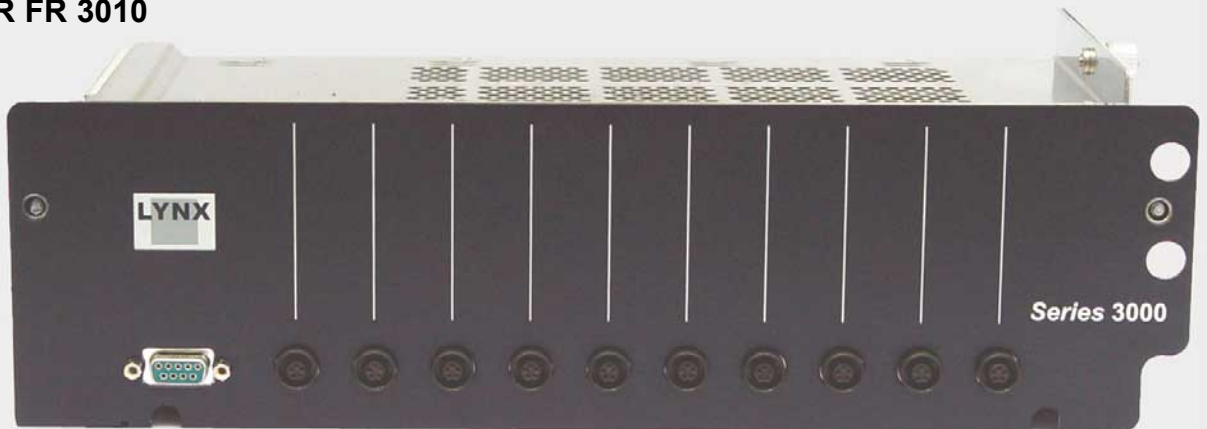
The R FR 3010 provides central power and remote control capability for up to 10 Series 3000 MiniModules. The unit includes a high quality power supply that can power 10 MiniModules. GPO alarms for power failure are provided on the integral termination panel. A second power supply can be added for redundant protection. The chassis also enables remote control for all connected modules when one of the available LYNX controllers is added

to the system. The integral termination panel provides all the connectivity required for future expansion. The Chassis can be used stand alone, (using the optional extension leads to connect to the modules) but is primarily designed for use with the R FR 3005 19-inch mounting plate. The two units can be joined together to form a low profile, self-contained, integrated rack mounting solution.

#### Key Features

- Central power supply for 10 MiniModules.
- Optional redundant power protection.
- GPO alarms for power supply faults.
- Remote control when using a LYNX controller option.
- Integrated termination panel for system expansion.
- Compatible with R FR 3005 for complete self-contained 19-inch rack mount solution.
- Sophisticated power supply, with advanced power filtering and microprocessor control.
- Robust all steel design.

#### R FR 3010



#### R FR 3010 and R FR 3005 Combined

R FR 3010 shown combined with R FR 3005 with modules installed.

A complete self contained rack mounting solution with central power, redundant power and remote control capability

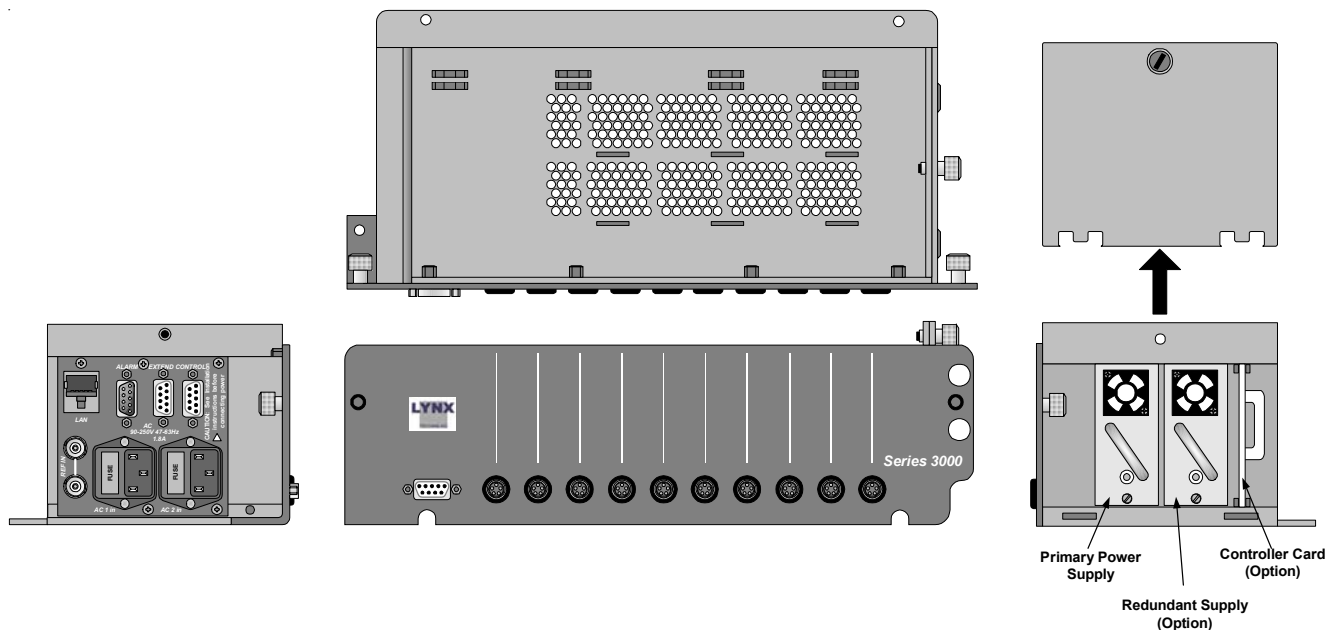


# R FR 3010

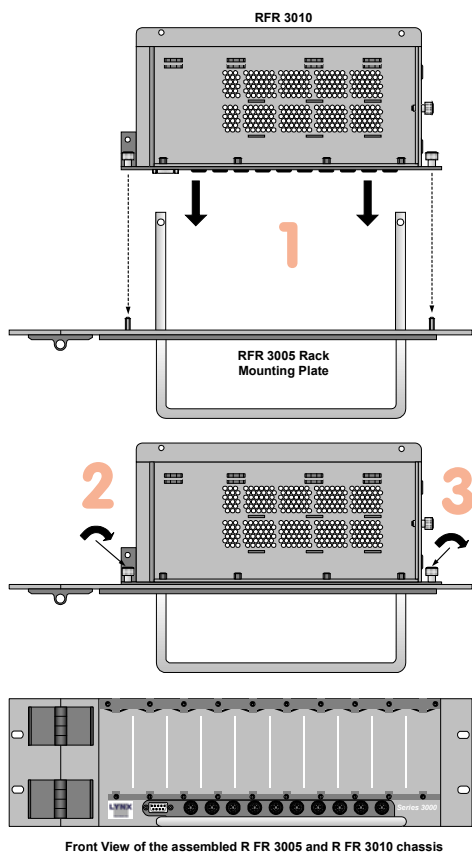
## Central Power and Remote Control Chassis

SERIES 3000

MiniModules



### R FR 3010 and R FR 3005 Assembly



Front View of the assembled R FR 3005 and R FR 3010 chassis

## Specifications

### Mechanical

|             |                                      |
|-------------|--------------------------------------|
| Size        | 113mm High x 330mm Wide x 146mm Deep |
| Weight      | 4 kg with single power supply        |
| Connections | Termination panel on side of rack    |

### Performance

|                       |  |
|-----------------------|--|
| Supported MiniModules | Max 10 plus: <ul style="list-style-type: none"><li>1 x controller (option)</li><li>1 x Redundant Power Supply (Option)</li></ul> |
| Power Indication      | One multifunction LED per supply and GPO output  |
| Module Alarms         | Alarm LEDs visible on MiniModules  |

### Connections (rear connections)

|                    |                                 |
|--------------------|---------------------------------|
| LAN Connector      | RJ 48                           |
| Rack Bus Connector | 9 Pin female SubD (RS 485)      |
| Local Connector    | 9 pin female SubD (RS 232)      |
| Alarm Connector    | 9 Pin male Sub D (GPO and GPI)  |
| Ref In             | Not Supported                   |
| Primary AC         | IEC power connector, fused (2A) |
| Redundant AC       | IEC Power connector, fused (2A) |

### Electrical Specifications

|                   |   |
|-------------------|---|
| Power Input       | 90 - 250VAC, 47Hz - 63Hz. Two separate and isolated connections for Primary and Redundant supplies. |
| Power Consumption | 130W max.   |
| Safety            | IEC 950/ EN 60950/VDE 0805  |

### Ambient

|             |  |
|-------------|--|
| Temperature | 5°C to 35°C Maintaining specifications 0-20°C to +70°C Storage |
| Humidity    | Max 80% non condensing   |

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