

## Remote Control Panel

### Description

The R CP 5000 is a slimline 19" rack mount remote control panel designed for use with both the Series 3000 and Series 5000 product range. The panel can be used with or without the LYNX control system and will provide full remote control for any module in the connected system.

Featuring a backlit monochrome alphanumeric display, software assignable illuminated buttons and rotary digital controls its possible to review and adjust all parameters for any selected module. Alarm LEDs are provided which replicate LED alarm status on the module. Providing both serial and network (LAN) connectivity with standard TCP/IP communications the panel can be located

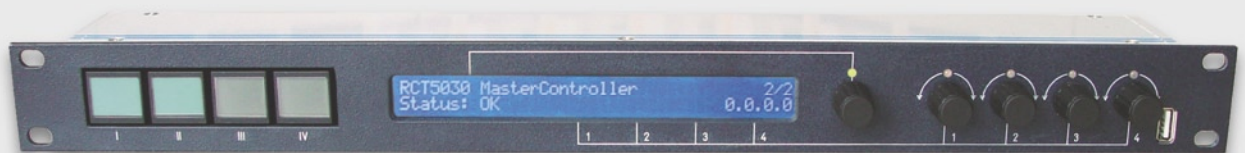
virtually anywhere on the system network. A standard PC browser is used for any panel maintenance and software upgrades.

This is an ideal solution for smaller installations, control rooms, equipment rooms, outside broadcast or any installation where space is at a premium and a PC is not convenient or needed.

When connected into a system using the LYNX control system any changes made on the panel are immediately reflected in the GUI for the given module (and visa versa).

### Features

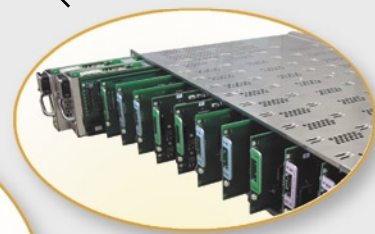
- Compact 19" rack mount 1 RU design.
- Can be used with or without existing control system.
- Display and adjustment of module parameters
- Free assignment of up to 4 devices to push buttons for fast access.
- Monochrome (blue) backlit alphanumeric display with 2 lines (40 characters each line)
- 4 x software controlled push buttons with LCD matrix and RGB background illumination.
- 5 x incremental/pushbutton rotary knobs with bi-color LED indicators
- Supports serial and network (LAN) connectivity
- RJ 45 LAN interface connection (TCP/IP)
- 9-pin SubD connection (RS232)
- Repeats selected module alarm LED and displays alphanumeric alarm messages.
- Panel upgrades and maintenance using standard PC browser interface.



Series 3000 MiniModules



Series 5000 CardModules



Control System

### Remote Control Panel Specifications

Controls / Display	
Push Button	4 x LCD matrix ASCII display push buttons. Multi color: Red / Green / Blue
Rotary	5 x incremental rotary controls with push to select function
Menu Display	Monochrome (blue) ASCII display with 2 lines x 40 characters with backlight
LEDs	5 x bi-color LEDs for status / alarm indication
Connections	
LAN	RJ 45 (TCP/IP)
Serial	9 pin male SubD (RS 232)
USB	Front and rear USB port (for future use)
Electrical Specifications	
Operating voltage	+ 5v DC
Connection	DC input via 5 pin locking bayonet connector
Power consumption	< 10W
Safety	IEC 950 / EN 60950 / VDE 0805
Mechanical	
Size	Standard 19 inch rack mount x 1 RU high x 157mm deep
Weight	2000g
Ambient	
Temperature	5°C - 45 °C maintaining specifications
Humidity	90% non condensing

#### Notes.

External DC power brick required. Please select one of the following:

- R PS 3001 - U** For US markets with integrated US style AC plug.
- R PS 3001 - E** For European markets with integrated European style AC plug.
- R PS 3001 - 3** Multi-region in line DC supply - requires IEC power cord.

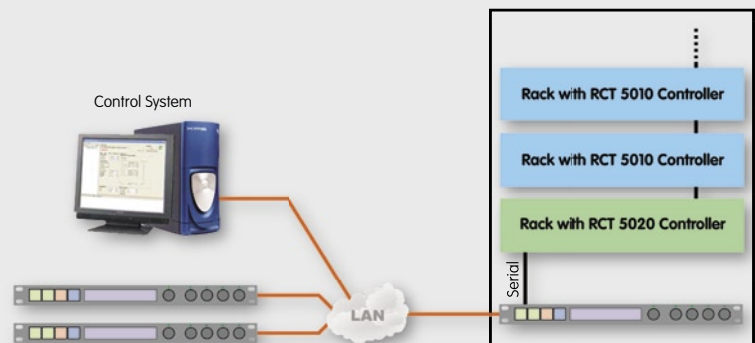
### Connectivity

There are two ways to interface the R CP 5000 into a LYNX system. Serial RS232 or via a network. This will depend on system design in terms of the number of panels required and the proximity to the LYNX racks.

The LYNX control system can also be interfaced with the control panels so the two systems complement each other. Any changes made in the panel will be reflected in the control system and visa versa.

The two connectivity options makes it possible for configure economic solutions based on your system design. Future system expansion is simple and can be done at any time with no interruption to the normal operation of the system.

If it is a simple installation with 1 to 8 racks in a single control stack and the control panel is located in the same rack - then the most economical solution is to have a RCT 5020 controller in the host rack and the panel connected via RS232. Additional panels can be interfaced into the system over the LAN connection into the first panel. These additional panels can be located anywhere there is a network connection. It is also possible to interface the LYNX control system to the system over this same network connection.



For system installations where the control panel has to be located a long distance from the LYNX hardware then the host rack should have a RCT 5030 Master Controller installed. The R CP 5000 panel is then connected via LAN into the LYNX hardware and can be located anywhere there is a network connection. Additional panels and the LYNX control system are also interfaced over this same network connection.

