

Model Railway Control Panels CP600 Switch Panel



Brimal announce a New range of Controllers with Points and Signal switch positions incorporated into the panels.

**This is a our Extension Switch Panel:
It gives you 18 switch positions and 18 LED indicators.
The switch array is at the same level as the Control Panels so
when side by side all switches are in line.**

- CP601** This unit is just the front panel with 36 blanking plugs in the switch & indicator positions, for mounting in your console.
- CP602** This unit is the same as above but mounted in a Black Sloped top desktop enclosure, it has a Terminal strip inside on a mounting plate for Interconnections. The rear has protected holes for your switch wires and one 4 pin locking plug & socket for power in.
- CP603** This unit is as the CP602 but includes 9 Point switches (SW301-1) and 9 Signal Switches (SW305-1) or a combination of the 3 decided when ordering. *See below for full details on switches*

The front panel is made of 3mm clear perspex with the lettering reverse printed on the back, so the lettering will never wear out from rubbing or cleaning.

The switches can be notated with the points, signal, or other item it is controlling. The controller does not come with a transformer you will need to provide 5-16vDC supply to the unit.

There is a 4 pin locking sockets on the rear of the box, (plug provided free with unit) for your power into the unit. There is a mounting board inside the box which can be used to mount terminals blocks, or the like for interconnection, both these can be removed if mounting the control panel in a console. See image below.



As our new range of panels are all the same size they can be mounted in a console, and as your system expands more panels can be added, for example if you require more speed control, there is the CP100 for 1 speed controller, CP200 for 2 sets of speed controllers, and the CP300 with 3 sets of speed Controllers.



The Switch boards and indicators come in 3 types. All types have screw terminals to connect the switch and the LED, (no need for soldering in a tight space.) as they come pre assembled on a printed circuit board. Installing them into the panel only requires the fixing of the switch in place, the LED is at a preset height so protrudes through the second hole to the right height.

The choice is yours as to how many & what combination of switches you require, and if you require more than 6, then the CP600 can be placed beside the controller to give you a further 18 switch positions.

Type 1 (SW301-1)

This is used for point motors with a momentary UP biased to the centre, momentary DOWN biased to the centre. The indicator is a dual colour LED (red & green) which is driven by the switch on the point motor, sensors on the track, or the MR204 memory circuit.

Type 2 (SW303-1)

This switch has a ON-OFF-ON configuration, and can be used for Isolating track, or switching polarity from one track to another, switching street lights or building lights. The indicator is a dual colour LED and can be wired directly into the switch or any other circuit.

Type 3 (SW305-1)

This is a ON-OFF, or ON-ON switch. The switch can be used for simply switching On & Off equipment, 2 aspect signal lights. Again the indicator is a dual colour LED and can be wired directly into the switch or any other circuit.

The following are Power Supplies that work well with our controllers: Both are Chassis mounted fully enclosed Power Supplies. Short Circuit, Overload & Overvoltage protection. Adjustable output voltage.

PW104

Input AC 100 - 240V 50/60Hz, Output Voltage: 12V DC, Power:60W, Output Current: 0-5A

PW105

Input AC 100 - 240V 50/60Hz, Output Voltage: 12V DC, Power:120W, Output Current: 0-10A