

F2121 MK2 Digital Flow Distribution Panel



Building on the previous generation of manual flow distribution panels, the F2121 incorporates a sophisticated range of microprocessor controls for the precise distribution of breathing-air. Mounted on a detachable trolley, for ease of operation, the unit can be either wall mounted or mobile.

As standard, the unit is fitted with a 24volt lead acid rechargeable battery, this provides 10 hours of operation and can be re-charged from either a 110volt or 240volt supply. Alternatively the F2121 can be operated directly from a mains supply.

The F2121 MK2 incorporates 4 flow channels each with electronic mass flow meters, all linked to a microprocessor alarm system. The input pressure can be initially adjusted by a pressure regulator. The flow from each channel is then easily adjusted with a 'fine tune' control valve and the sophisticated alarm system allows each flow channel to be pre-set with its own airflow parameters. In the event of the alarm being activated, an audible warning will sound and a visual beacon flash on top of the unit. The LED display will identify the reason why the alarm has been activated. The alarm also features a mute option to silence the audible alarm and allow verbal commands to be issued, however the visual beacon will continue to flash. An automatic feature resets the alarm if the airflow increases again to above the minimum level. The alarm includes the following operating parameters:-

- Airflow monitoring – the alarm will activate if the airflow falls below or rises above the preset level
- Low pressure - measured at the inlet to the unit
- Fully charged battery – the alarm will bleep every 7 seconds to indicate the battery is fully charged.
- Low battery level - when the unit measures that the battery voltage is low a warning bleep will sound every 2.5 seconds.
- Very low battery level – the alarm will sound continuously.



A key additional safety feature is a lockout system that prevents the unit being turned off whilst air is passing through at least one channel. The F2121 MK2 is fitted within a robust lockable cabinet to ensure only authorised personnel adjust the settings.

F2121 MK2	Width	Height	Depth	Weight
Wall mounted	600 mm	860 mm	250 mm	70 kg
With trolley	600 mm	1020 mm	400 mm	75 kg
Maximum flow per channel		1250 l/m		
Mains electrical requirements		100-240VAC 50/60Hz		
Inlet Pressure		3-10 bar		
Outlet connections to suit your requirements				