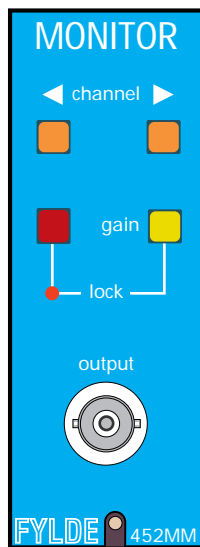


FE-452-MM MONITOR MODULE



The FE-452-MM Monitor Module is designed to monitor and control up to 16 channels of FE-450-ICP Amplifiers.

The two channel select buttons allow quick and easy selection of the channel to be monitored. As each module is selected, its red 'selected' LED illuminates and its direct output is connected to the output BNC on the front panel of the Monitor Module.

The gain push button is used to "quick set" module gains. When activated, all module gains are initially set to -10dB. If the button remains pressed, all gains increase in 10dB steps. The gain rolls over from 60dB to -10dB. The cycle repeats until the button is released.

The lock button provides a simple way of preventing accidental changes in the gain / filter settings for the rack.

If the lock button is held down for approx. 3/4 second, the red lock LED illuminates. In this condition, NO changes can be made to the gain or filter settings of any channel. The channel select buttons, however, remain active. Pressing the lock button again for 3/4 second extinguishes the lock LED, and allows the gain and filter settings to be adjusted.

An internal DIL switch enables the startup gain setting and lock state.

Channel to channel galvanic isolation is maintained for FE-450-ICP amplifiers.

Power supply may be mains 240V (standard) 110V 60Hz, or 12V dc when fitted with FE-605-DCC, DC-DC converter.

- * MONITORS 16 CHANNELS OF FE450ICP
- * SIMPLE 2 BUTTON CHANNEL SELECTION
- * FRONT PANEL BNC MONITOR
- * MICROPROCESSOR CONTROLLED
- * SIMULTANEOUSLY SETS ALL MODULE GAINS
- * LOCK FUNCTION PREVENTS ACCIDENTAL CHANGES TO AMPLIFIER SETTINGS

SPECIFICATION

| | | |
|---------------|---|---|
| CHANNEL | capability selection indication | 1 - 16 channels by two push buttons Front panel LED (on ICP amplifier) indicates the selected module. |
| GAIN | selection | "quick set" button allows all FE-450-ICP modules to be set simultaneously. |
| LOCK | button led | enables gain and filter selection buttons on ICP modules to be disabled. indicates active lock state. |
| OUTPUT | Connector Impedance Maximum Current Accuracy | front panel BNC. 50 ± 15 mA at ± 10 V. Unity Gain $\pm 0.1\%$ |
| ISOLATION | | channel to channel galvanic isolation between ICP modules is maintained during monitoring. Opto-couplers are used on all control lines to maintain isolation between individual channels and the Monitor Module. |
| CONTROL LINES | Remote Gain Line Remote Lock Line | Allows the Monitor Module to set the gain of the ICP amplifier. Allows the Monitor Module to lock out gain and filter push buttons to stop accidental changes being made. |
| POWER | Requirement | Mains 200 - 250V 50/60Hz. Alternative 110V option, or 12V dc via dc-dc converter option. |
| PRESENTATION | | 1" wide module 2U high rack system compatible with all standard FYLDE housings. |