

Replacement Design Driver Amplifiers

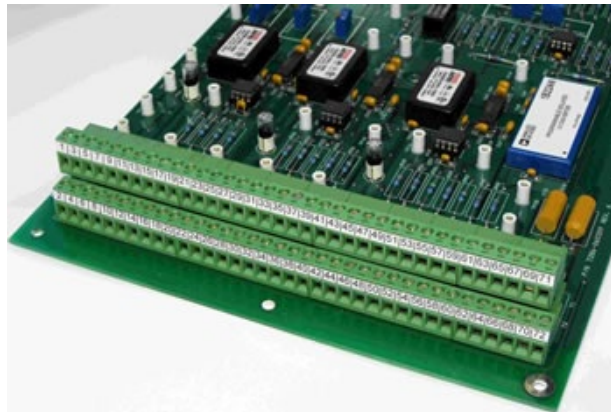
Benefits

- Drop-in replacement – no wiring changes required
- Clearly labeled adjustments
- Additional test points added
- Removable terminal blocks on all models
- Fuses on external circuits
- Modern components
- Low thermal drift
- Same physical mounting
- Reverse polarity protection
- Best practices incorporated into all designs



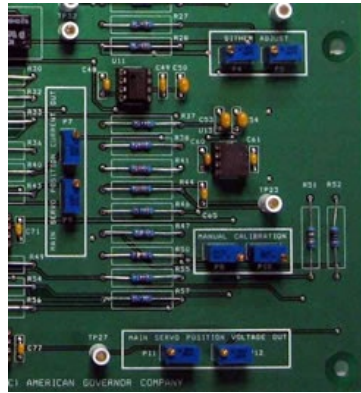
Introduction

Driver amplifiers were used in hydro systems throughout the 1990's as part of the electro-hydraulic interface (EHI). They not only provide a method for controlling many different types of valves, but they also allow for a separate manual control.



Direct replacement with removable terminal blocks

Unfortunately, when a driver amplifier fails, it must be replaced in order to move the wicket gates, blades, or needles even in manual control. Emerson offers full support to replace them successfully.



Many improvements including clear labeling and additional test points

All types of driver amplifiers are supported. Both new and reconditioned boards are available. Refer to part number below when ordering:

Driver Amplifier Parts:

| Part Number | Description |
|-------------|-----------------------------------|
| 5421-112 | Driver Amplifier |
| 5421-128 | Driver Amplifier |
| 5421-142 | Driver Amplifier |
| 5421-146 | Driver Amplifier |
| 5421-167 | Driver Amplifier |
| 5421-178 | Driver Amplifier |
| 5421-202 | Driver Amplifier |
| 5421-215 | Driver Amplifier |
| 5501-341 | Driver Amplifier per 9933-520 |
| 5501-342 | Driver Amplifier per 9933-520 |
| 5501-343 | Driver Amplifier per 9933-520 |
| 5501-344 | Driver Amplifier per 9933-520 |
| 5501-378 | Driver Amplifier per 9933-520 |
| 9933-520 | Generic Schematic for 5501 Series |

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