

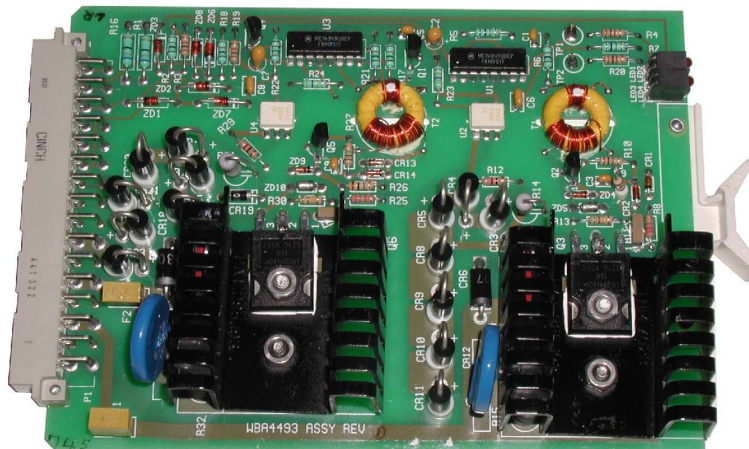
# DC Radio Crane Control Solid State Relay Output Card

# 31.100 SSR

Catalog 31100 SSR • August 2004 • New

## Features

- (2) Solid state outputs rated 270 VDC.
- No interface relays are needed for controllers up to and including NEMA size 5 contactors
- 1.8 amps continuous rating / 4.75 amps for 0.25 seconds
- Each output circuit protected with a 3 amp fuse
- Status LED's: red = output activated; green = output current flowing.
- Up to (10) SSR output cards (20 circuits) can be provided per motherboard card rack.



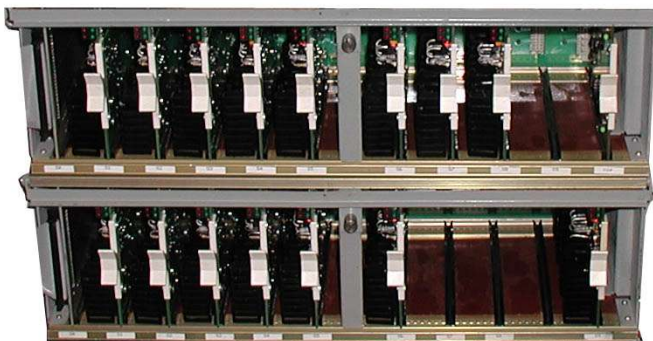
SSR Output Card

- Opto-isolated feedback sensing of the motor controller M, F/R or H/L contactor coil operating currents monitors the status of the SSR condition. During operation, or upon start-up, if the SSR output in any of the monitored circuits is detected to be shorted, or open, the radio receiver will shut down the motor controller.
- Additional SSR modules can be optionally configured to monitor an unused auxiliary contact mounted on the motor controller M, F/R or H/L contactors to provide positive indication the contactor has picked up when commanded.

## 250V DC Output Section

Dual solid state relay PC boards in 10-slot card cage allowing for up to 20 outputs (WBA 4493).

- Type ..... Oscillator driven transformer coupled
- Indicators ..... Red: Output activated, Green: output on (15 ma main. Current flowing in output circuit).
- Output Voltage ..... 150-300V dc
- Reverse Polarity Protection... 2kV transient voltage protected, 40 µJ
- Input Voltage ..... 4.5-6.5V dc, active high
- Load ..... 1.8A, 250V dc, inductive
- Arc Suppression ..... 700V (built-in), 40J
- Isolation ..... 4000V
- Feedback Sensing ..... Opto-isolated input from: MAIN CONTACTOR; UP, DOWN, FORWARD, REVERSE
- Temperature Range ..... -22°F to 158°F (-30°C to 70°C)



(2) Motherboard card racks with (16) SSR Cards shown



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