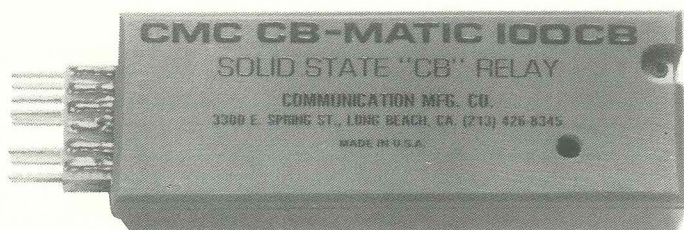


# CMC CB-MATIC 100CB

## SOLID STATE "CB" RELAY



- ELIMINATES "CB" RELAY ADJUSTMENTS IN STROMBERG-CARLSON XY OFFICES
- TEST POINT PROVIDES EASY ACCESS TO "RD" RELAY FOR CURRENT FLOW TESTS
- FAST (ADJUSTMENT FREE) INSTALLATION
- EXTENDS LOOP PULSING LIMITS
- INCREASES LEAK TOLERANCE TO 6.8 K OHM
- LOW IDLE CURRENT DRAIN
- WILL ACCEPT PULSE SPEEDS OF 5 TO 15 PPS

The CMC CB-MATIC 100CB SOLID STATE "CB" RELAY is a replacement for the pulsing contacts on the "CB" relay. It will replace "CB" relays in either selector or connector switches. The make contact is connected to a test point (TP) on the front of the module for easy access to the "RD" relay coil for testing. In order to maintain good circuit balance, the relay coil is left in the circuit.

The CMC CB-Matic 100CB is mounted in a vacant relay mounting space in the switch circuit plate (next to the test jack assembly recommended). The unit mounts with a furnished L-bracket. The CB-Matic pins project through the switch backplate and connections are made at this point. The relay contact wiring is simply transferred to the Wire-Wrap Pins and Straps are connected to the Tip, Ring and battery leads at the "CB" relay coil terminals. The average replacement time is approximately 10 minutes.

Once the CMC CB-Matic 100CB is installed, there is NEVER any adjustment required. The life expectancy of the Solid State "CB" Relay far exceeds any standard "CB" Relay in your office. In fact, it will outlast your XY system at a fraction of the cost of a standard "CB" relay.

### TECHNICAL SPECIFICATIONS

#### CMC CB-MATIC 100CB SOLID STATE "CB" RELAY

**Size:** 4 in. × 1 1/4 in. × 3/4 in.

**Mounting:** In vacant relay mounting space next to test jack assembly using furnished hardware.

**Operational Limit:** 3K ohm Loop  
6.8K ohm Leak

**Voltage Range:** -60 Vdc to -35 Vdc

**% Break Distortion:** Less than 6.5 ms at 3K ohm Loop  
and 3 ms at 1800 ohm Loop  
at -50 Vdc

**Pulsing Speeds:** 5 to 15 pps

**Power Requirement:** <7 mA standby power

**Operating Temperature Range:** 0° to 70° C. (32° to 158° F.)

### ORDERING INFORMATION

CMC CB-MATIC 100CB Solid State "CB" Relay  
(10 units per box with mounting hardware,  
diagrams, instructions and wire identification  
tags)

# CMC

**COMMUNICATION MFG. CO.**

3300 EAST SPRING STREET • LONG BEACH, CA 90801 USA  
TELEX 65-6440 CMC LGB 213 426-8345

PRINTED IN U.S.A.—FEBRUARY, 1982