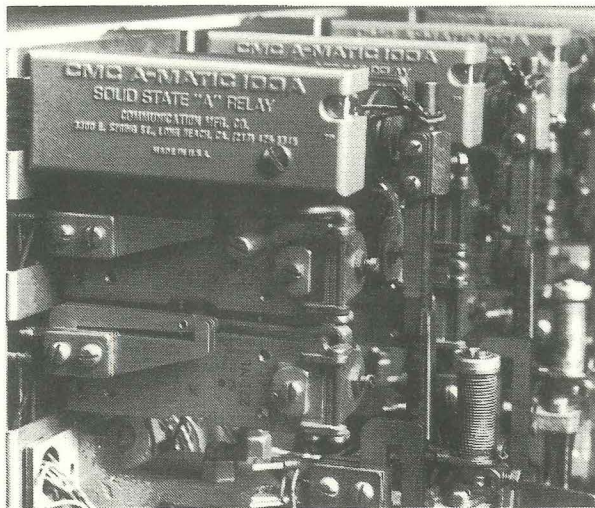


CMC A-MATIC 100A

SOLID STATE "A" RELAY



- ELIMINATES "A" RELAY ADJUSTMENTS IN SXS OFFICES
- TEST POINT PROVIDES EASY ACCESS TO "B" RELAY COIL FOR CURRENT FLOW TESTS
- FAST (ADJUSTMENT FREE) INSTALLATION
- EXTENDS LOOP PULSING LIMITS
- INCREASES LEAK TOLERANCE TO 6.8 K OHM
- MAINTAINS GOOD CIRCUIT BALANCE
- LOW IDLE CURRENT DRAIN
- WILL ACCEPT PULSE SPEEDS OF 5 TO 15 PPS
- AVAILABLE IN 3-SPRING AND 5-SPRING MODELS

The **CMC A-MATIC 100A SOLID STATE "A" RELAY** is a replacement for the pulsing contacts on the "A" relay. It will replace "A" 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 "B" relay coil for testing. In order to maintain good circuit balance and provide simple mounting, the relay coil is left in the circuit.

The CMC A-Matic is manufactured in two models: The 100A replaces 3-spring "A" relays and the 100AP replaces 5-spring "A" relays.

Installation is accomplished by removing the three screws that mount the spring pile-up and the relay armature. The CMC A-Matic 100A mounts with one screw in the hole below and behind the armature mounting screw. The A-Matic wire-wrap 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 "A" relay coil terminals. The average replacement time is approximately 8 minutes.

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

CMC

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

TECHNICAL SPECIFICATIONS

CMC A-MATIC 100A SOLID STATE "A" RELAY

Size: 4 in. × 1 1/4 in. × 3/4 in.
(10.2 cm × 3.2 cm × 1.9 cm)

Mounting: In place of the "A" relay spring pile-up and mounted on the "A" relay heel piece.

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 A-MATIC 100A Solid State "A" Relay
(Replaces 3-spring "A" relays)

CMC A-Matic 100AP Solid-State "A" Relay
(Replaces 5-spring "A" relays)

(10 units per box with mounting hardware, diagrams, instructions, strap wires and wire identification tags)