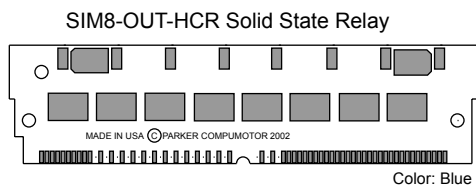### SIM8-OUT-HCR Solid State Relay

Color: Blue

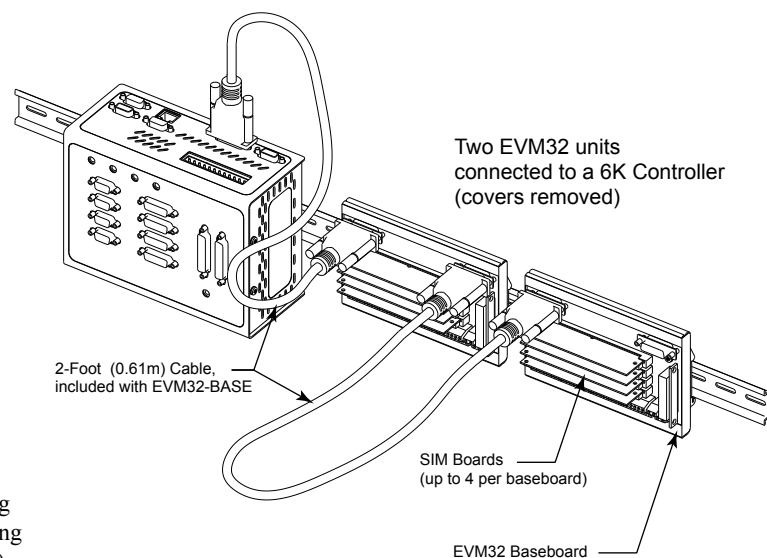The SIM8-OUT-HCR board provides eight solid state outputs for the EVM32 expansion I/O module.
NOTE: This SIM requires 6K operating system version 5.1 or greater (downloadable from the www.compumotor.com web site).

Additional EVM32 parts, ordered separetly, include:
- · EVM32-II — EVM32 baseboard, includes 2-foot cable
- · SIM8-IN-EVM32 — Digital input SIM board (8 inputs)
- · SIM8-OUT-NPN — Digital output SIM board (8 outputs), sinking
- · SIM8-OUT-PNP — Digital output SIM board (8 outputs), sourcing
- · SIM8-AN-IN — Analog (+/- 10V) input SIM board (8 inputs)
- · SIM8-AN-OUT — Analog (+/- 10V) output SIM board (8 outputs)
- · SIM8-OUT-SSR — Solid State Relay SIM board (8 outputs)
- · 71-016949-02 — 2-foot (0.61m) cable, included with EVM32-BASE
- · 71-016949-100 — 100-foot (30.48m) cable for connection to 6K or other EVM32 units

For installation instructions, and programming information, refer to the 6K Addendum (88-017657-01).
See reverse for instructions to insert SIM boards into the EVM32 baseboard.

Two EVM32 units connected to a 6K Controller (covers removed)

2-Foot (0.61m) Cable, included with EVM32-BASE

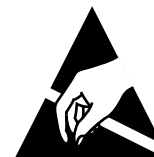SIM Boards (up to 4 per baseboard)

EVM32 Baseboard

CAUTION
EVM32 SIM boards are static sensitive. Observe proper ESD handling precautions. **REMOVE POWER** to the EVM32 baseboard before installing or removing SIM boards.
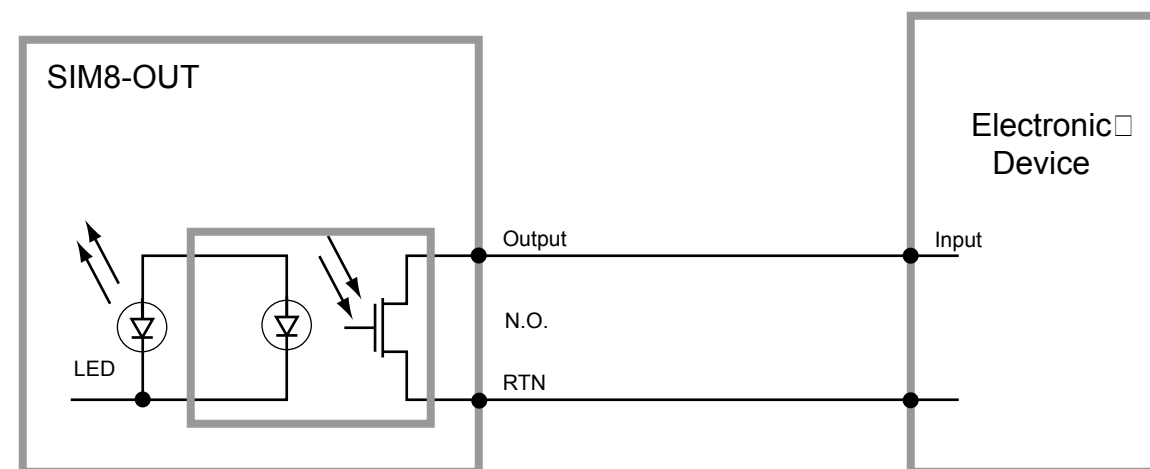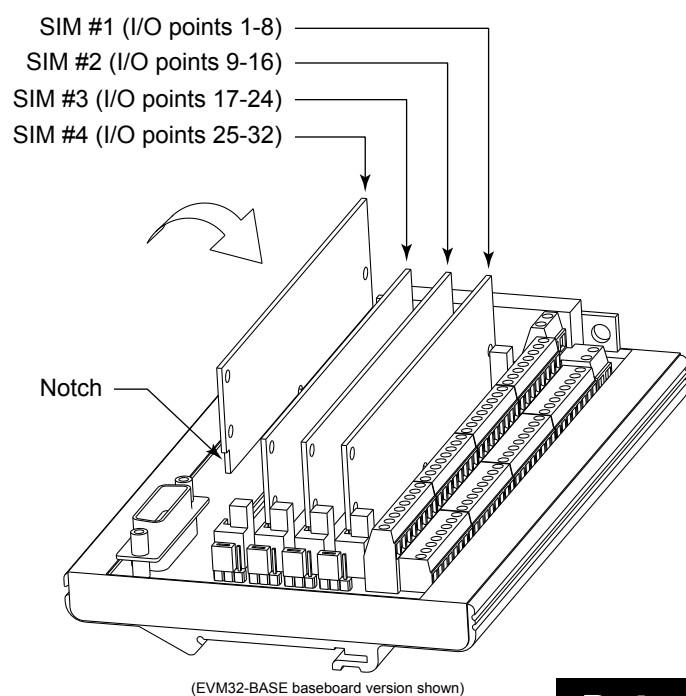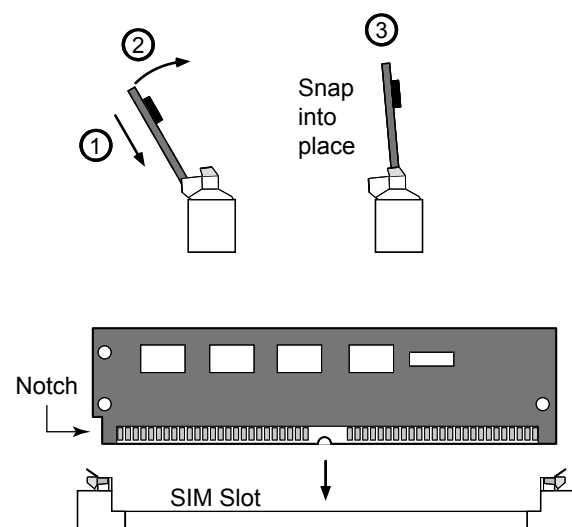
SIM Board Color Codes:

SIM8-IN-EVM32 (digital inputs)	Red
SIM8-OUT-NPN (digital outputs, sinking)	Blue
SIM8-OUT-PNP (digital outputs, sourcing)	Blue
SIM8-OUT-SSR (solid state outputs)	Blue
SIM8-OUT-HCR (solid state outputs)	Blue
SIM8-AN-IN (analog inputs)	Green
SIM8-AN-OUT (analog outputs)	Black

SIM Board Insertion (observe notch orientation)

Snap into place

Notch

Notch

SIM Slot

SIM #1 (I/O points 1-8)
SIM #2 (I/O points 9-16)
SIM #3 (I/O points 17-24)
SIM #4 (I/O points 25-32)

Notch

(EVM32-BASE baseboard version shown)

Parker Automation

Operating Voltage Range	0 to 60VDC (or AC Peak)
Voltage Rating	Maximum of 130V AC/DC
Current Rating	Maximum of 0.600 Amps
Operate (On) time – Typical	0.2 ms at 500 mA Load, 50V
Release time – Typical	0.5 ms at 500 mA Load, 50V
On-State Resistance	500 mOhms
Off-State Resistance	10^8 Ohms
Capacitance – Typical	150 pF at 50V
Status	Check with the TIO command. LED is on when the relay is energized
Technology	Power MOSFET Photovoltaic Relay Single-Pole, Normally Open Bounce-Free Operation

CAUTION
EVM32 SIM boards are static sensitive. Observe proper ESD handling precautions. **REMOVE POWER** to the EVM32 baseboard before installing or removing SIM boards.

SIM8-OUT

LED

Output

N.O.

RTN

Electronic Device

Input

(Use the RTN pin for the corresponding output pin.)

Parker Automation