Screw Terminal Definitions

	Screw Terminal Label	SIGNAL IDENTITY		
Screw Terminal Block		When the ERA-01 is connected to DASCON-1 card	When the ERA-01 is connected to a PIO-12/PIO-24 card or to a DAS-1200/ DAS-1600 card (at auxiliary connector)	Directly attached pin on D connector (J1)
Relay Outputs (J2 and J3)	PB0, PB1, PB2,PB7 - NO (normally open) - C (common) - NC (normally closed)	Relay contacts corresponding to digital outputs PB0, PB1, PB2, and PB7 from the digital I/O "PB" port	Relay contacts corresponding to digital outputs PB0, PB1, PB2, and PB7 from the digital I/O "PB" port	N/A*
Digital Signals (J5)	IRQ IN	INTERRUPTINPUT	INTERRUPT INPUT	1
	CC	CONV COMP	INTERROPFENABLE	2
	PCO	PC0 Directly from lower bits	PC0 Directly from lower bits	29
	PC1	PC1 of the digital I/O "PC"	PCI of the digital I/O "PC" port.	28
	PC2	PC2 port. (A 10kΩ pull-up	PC2 (A 10kΩ pull-up resistor	27
	PC3	PC3 resistor is attached to each.)	PC3 is attached to each.)	26.
	BSY	BUSY	PC4 Directly from upper oits	25
	CHO ADR	CH'ADDRO	PC5 of the digital I/O "PC" port	24
	CH1 ADR	CH ADDR 1	PC6 (no pull-up resistors).	23
	LD ADR	LDCHADDR	PC7	22
	R/Ħ	RUN/HOLD	Digital signal common	21
	GND	Digital signal common	Digital signal common	11
External Power : [4]	ΛC	10 VAC from Keithley external	10 VAC from Keithley external	N/A
	AC	adapter, part number OPA-01	adapter, part number OPA-01	N/A
	DC -	Regulated 5VDC from external	Regulated SVDC from external	11
	DC +	supply .	supply	N/A
*N/A = not applicable				

Relays

NUMBER OF RELAYS: 8.

RELAYTYPE: Form C (SPDT).

CONTACTS: Silver alloy.

CONTACT RATING: 3A at 125V rms or 28VDC (resistive), Installation Category II.

CONTACT LIFE MECHANICAL: 107 operations.

CONTACT LIFE ELECTRICAL: 10 soperations at full load.

OPERATETIME: 20ms max.

RELEASE TIME: 10ms max.

Other Hardware

BREADBOARD AREA: 0.7 in x 1.2 in (1.78 cm x 3.05 cm) (8 x 13 solder pad matrix).

PC BUS POWER AVAILABLE: +5V.

NUMBER OF LEDS: 8 red, one per relay.

GENERAL

ENVIRONMENTAL:

Operating Temperature Range: 0° to 60°C. Storage Temperature Range: -40° to +100°C. Humidity: 0 to 90% non-condensing.

POWER AND SIGNAL REQUIREMENTS: +5V Power: 760mA typical, 800mA max. (all relays energized). Logic Level to Energize Relay (Make): "1" logic high.

Switching Load Current for Relay "Off" (Preak): 0.018mA.

PHYSICAL.

Dimensions (with enclosure): $17cm long \times 13.0cm$ wide $\times 6cm$ bigh $(6.687 \text{ in} \times 5.125 \text{ in} \times 2.375 \text{ (n)}.$

Dimensions (without enclosure): 15.7cm long × 11.9cm wide ×

3.3cm high (6.187 in \times 4.687 in \times 1.3 in). Weight (with enclosure): 0.482kg (17 cz).

Weight (without enclosure): 0.285kg (9 oz).

Screw Terminal Wire Spacing: 5mm (0.197 in).

Screw Terminal Wire Sizes: 12-22 AVG.

Mounting holes (without enclosure): 3.17mm (0.125 in).