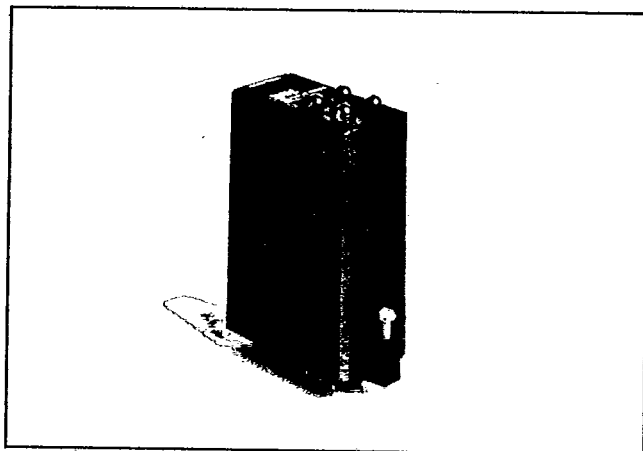



**SILICON
POWER
CUBE**

I/O QUAD MODULES

T-41-89



IACQ/IDCQ/OACQ/ODCQ SERIES

Each quad module has four I/O channels of the same type. They provide a high packaging density means of reliably interfacing logic level control systems with external loads such as motors, valves, solenoids, etc., or as an interface from the load or sensors to microprocessor or computer-based logic level control systems.

FEATURES

- Industry Standard Plug-in Package
- Input Modules Have Reverse Voltage Feedback Protection
- Output Modules Can Be Controlled By Sinking Logic
- Color Coded By Function
- 4,000 Vrms Optical Isolation
- High Transient Noise Immunity
- Series Operation Compatibility
- UL Recognized, CSA Certified Types Available

GENERAL SPECIFICATIONS	SYSTEM VOLTAGE 5 VDC					
	MODEL NUMBER					
	IAC5Q	IDC5Q	IDC5BQ	OAC5Q	ODC5Q	ODC5AQ
Voltage, Type	AC or DC Input	AC or DC Input	DC Input	AC Output	DC Output	DC Output
Color Code	Yellow	White	White	Black	Red	Red
INPUT SPECIFICATIONS (PER CHANNEL)						
Voltage Range	90-140 VAC	10-36 VDC	4-16 VDC	4-8 VDC	4-8 VDC	4-8 VDC
Typical mA @						
Minimum Voltage	6	4	4	6	6	6
Maximum Voltage	10	19	27	24	24	24
OUTPUT SPECIFICATIONS (PER CHANNEL)						
Load Current Over Load Voltage Range	.1-100mA @ .4-30 VDC	.1-100mA @ .4-30 VDC	.1-100mA @ .4-30 VDC	.02-3A @ 24-140 VAC	.02-3A @ 5-60 VDC	.02-1A @ 10-200 VDC
Switching Type	Random	Random	Random	Zero	Random	Random
Notes	1, 3, 5, 6, 7	1, 3, 5, 6, 7	1, 3, 5, 6, 7	1, 2, 3, 4, 6	1, 2, 3, 4, 6	1, 2, 3, 4, 6

NOTES: 1. UL recognized.

2. CSA certified.

3. The outputs of the output Quad modules are compatible with the inputs of the input Quad modules making them suitable for series operation applications.

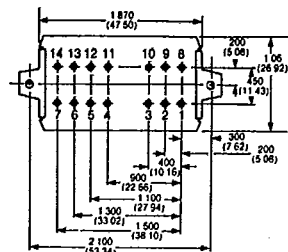
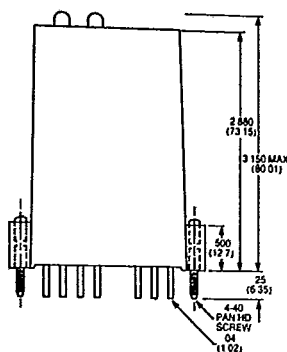
4. The Quad output module is turned on by sinking the negative input terminals (IN) to logic ground.

5. The Quad input module output terminals (OUT) sink current to logic ground when proper input voltage is applied to the input terminals.

6. Transient noise immunity: > 3,000 Vp-p (NEMA ICS-230), typically have noise immunity of > 8,000 Vp-p.

7. Input will operate on AC or DC voltage.

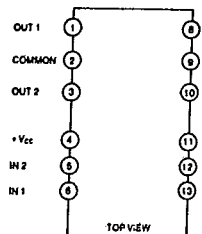
OUTLINE/MOUNTING DIMENSIONS



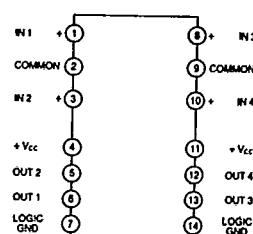
NOTE: Pins 7 and 14 not present on OUTPUT MODULES.

Storage Temp.: -40°C to +85°C
Operating Temp.: -30°C to +80°C
Approx. Wt.: 4.9 oz. (140 grams)

CONNECTION DIAGRAMS



* EQUIVALENT CIRCUIT ONLY
* NEGATIVE TRUE LOGIC
* INDUCTIVE LOADS
MUST BE DIODE
SUPPRESSED



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