



# IAC5, IDC5, OAC5, ODC5

## 5 VDC SOLID-STATE OPTO-ISOLATED I/O MODULES

- Available in Standard or Mini-Pack

Solid state I/O switching modules deliver an electrically clean, photo-isolated, noise-free "output" interface from logic level control systems to external loads such as motors, valves, solenoids, etc. -- or an "input" interface from the load or sensors to microprocessor or

computer-based logic level systems. Designed for long, reliable service in demanding industrial environments.

Manufactured in Crydom's ISO 9002 Certified facility for optimum product performance and reliability.

### SYSTEM VOLTAGE 5 Vdc

Model Number	IAC5 MINI-PACK MIAC5	IAC5A MIAC5A	IDC5 MIDC5	IDC5B MIDC5B	OAC5 MOAC5	OAC5A MOAC5A	ODC5 MODC5	ODC5A MODC5A
Voltage Type	AC or DC Input	AC or DC Input	DC Input	DC Input	AC Output	AC Output	DC Output	DC Output
Color Code	Yellow	Yellow	White	White	Black	Black	Red	Red

### INPUT SPECIFICATIONS

Voltage Range	90-140 Vac	180-280 Vac	10-36 Vdc	3-32 Vdc	3-6 Vdc	3-6 Vdc	3-6 Vdc	3-6 Vdc
Typical Current @ Rated Voltage	7 mA	5 mA	8 mA	13 mA	19 mA	19 mA	14 mA	14 mA
Typical Current @ Maximum Voltage	8 mA	5.5 mA	10 mA	15 mA	22 mA	22 mA	18 mA	18 mA

### OUTPUT SPECIFICATIONS

Load Current Over	.1-100 mA @	.1-100 mA @	.1-100 mA @	.1-100 mA @	.02-3A @	.02-3A @	.02-3A @	.02-1A @
Load Voltage Range	.4-30 Vdc	.4-30 Vdc	.4-30 Vdc	.4-30 Vdc	12-140 Vac	24-280 Vac	5-60 Vdc	10-200 Vdc
Maximum Turn-on Time	20 ms	20 ms	5 ms	1 ms	1/2 Cycle	1/2 Cycle	0.3 ms	0.5 ms
Maximum Turn-off Time	20 ms	20 ms	5 ms	1 ms	1/2 Cycle	1/2 Cycle	0.3 ms	0.5 ms
Frequency Range	47-63Hz	47-63Hz	—	—	47-63Hz	47-63Hz	—	—
Switching Type	Random	Random	Random	Random	Zero	Zero	Random	Random
Max. Surge (non-repetitive)	100mA	100mA	30Vdc	30Vdc	80Apk (1cycle)	80Apk (1cycle)	5A (1 sec)	5A (1 sec)
Max. Off-State Voltage	30Vdc	30Vdc	30Vdc	30Vdc	400Vpk	600Vpk	60Vdc	200Vdc
Notes	1,2,4,6	1,2,4,6	1,2,4	1,2,4	1,2,3	1,2,3	1,2,3	1,2,3

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- NOTES**
1. UL recognized.
  2. CSA certified.
  3. The output of the AC output module is compatible with the input of the AC input module and the output of the DC output module is compatible with the input of the DC input module.
  4. Input modules provide an output that is active low.
  5. Output modules can be controlled from active or active high logic.
  6. Input will operate on AC or DC voltage.
  7. Inductive loads should be diode suppressed for all DC output devices.

For recommended applications and more information contact:

USA: (800) 8 CRYDOM • (800) 827-9366 • (619) 715-7200 • fax (619) 715-7280  
9525 Chesapeake Drive, San Diego, CA 92123 • e-mail: sales@crydom.com

WEB SITE: <http://www.crydom.com> FASTFAX Product Information: (888) 267-9191

UK: (44)1202 812300 • fax (44)1202 812340

85, Condor Close, Woolsbridge Industrial Estate, Three-Legged Cross, Wimborne, Dorset, England BH21 6SU

GERMANY: (49)871 935405 • fax (49)871 935407, Aussere Parkstr.5, D-84032 Altdorf, Germany





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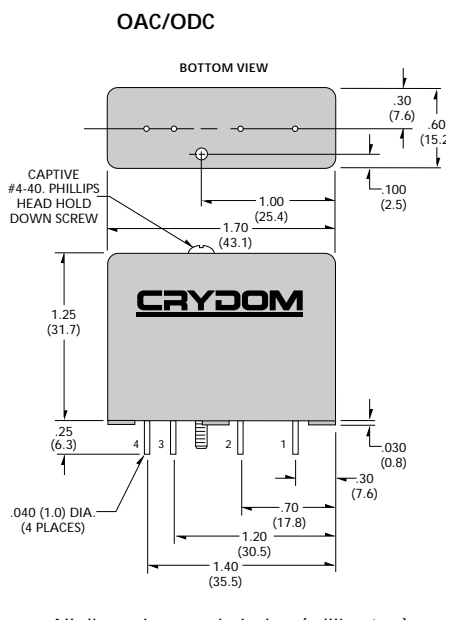
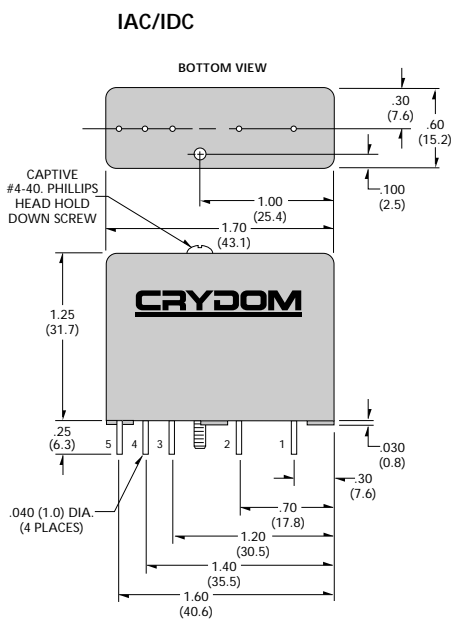
## 5 VDC SOLID-STATE OPTO-ISOLATED I/O MODULES

### GENERAL SPECIFICATIONS

Input/Output Isolation Voltage	4000 Vrms
Insulation Resistance (Min.) @ 500 Vdc	10 <sup>9</sup> Ohm
Max. Capacitance Input/Output	16 pF
Ambient Operating Temperature Range	-40 to 80°C
Ambient Storage Temperature Range	-40 to 125°C

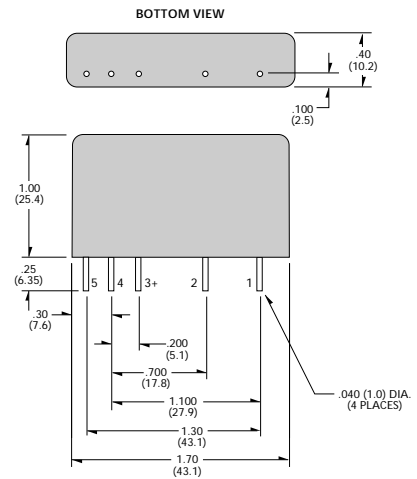
### MECHANICAL SPECIFICATIONS

Weight: (typical)	0.6 oz. (17g)
Encapsulation:	Thermally Conductive Epoxy



### MINI-PACK

MIAC, MIDC (5 pin models)  
MOAC, MODC (4 pin models)



All dimensions are in inches (millimeters)

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