

INPUT/OUTPUT MODULES series 6, series DMP series IAC, series MIAC

- industry standard board mount
- ac or dc load 3.0A, 280Vac,60-200Vdc
- ac or dc input signals, 280Vac, 36Vdc
- 5V,15V,24V systems

Input/Output modules interface between logic and power circuits in industrial systems permitting control of motors, valves, contactors and other ac or dc loads and the feedback of the status of such loads and other relevant system conditions. IAC/IDC/OAC/ODC series are industry standard units housed in a colour-coded package with hold-down screw. MIAC.. series are electrically identical housed in miniature

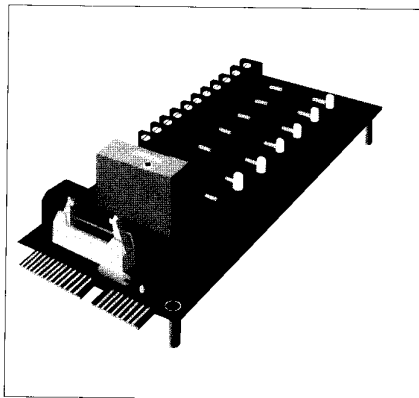
packages for greater mounting density Series 6 are Crydom premium series similarly rated to IAC.. series including buffered input modules. DMP series are economy epoxy coated units rated per Series 6.

Only outline information can be given here. Please request detailed data sheets for full specifications.

	PART NUMBERS(System Voltage 5Vdc)										Vac Vdc	
	Standard Series	IAC-5	IAC-5A	IDC-5	IDC-5B	IDC-5D	OAC-5	OAC-5A	ODC-5	ODC-5A		
	Series 6 Series DMP Mini-Pack	6201A DMP6201A MIAC5	6202A DMP6202A MIAC5A	6101/6101A DMP6101A MIDC5			6401A MOAC5A	6402A MOAC5A	6301A MODC5	6302 MODC5A		
INPUT SPECIFICATIONS												
ac or dc input	90-140	180-280										
dc input			10-36	4-16	3-32	3-6	3-6	3-6	3-6	3-6		
OUTPUT SPECIFICATIONS												
Load Current			0.1-100						0.02-3	0.02-1		mA
Load Current dc types												A
Load Current ac types							0.02-3					A
Voltage range			0.4-30			12-280	24-280	3-60	10-200			Vdc
Max. turn-on time	20	20	5	0.05	1	half-cycle	half-cycle	0.5	0.5			ms
Max. turn-off time	20ms	20ms	5ms	0.1ms	1.5ms	half-cycle	half-cycle	0.5	0.5			ms
Switching type	instant	instant	instant	instant	instant	zero	zero	instant	instant			
Colour Code	Yellow	Yellow	White	White	White	Black	Black	Red	Red			

	PART NUMBERS(System Voltage 15Vdc)								Vac Vdc
	Standard Series	IAC-15	IAC-15A	IDC-15	OAC-15	OAC15-A	ODC-15	ODC-15A	
	Series 6 Mini Pack	6231 MIAC15	6232 MIAC15A	6131 MIDC15	MOAC15	MOAC15A	MODC15	MODC15A	
INPUT SPECIFICATIONS									
ac or dc input	90-140	180-280							
dc input			10-36	9-18					
OUTPUT SPECIFICATIONS									
Load Current		0.1-100					0.02-3	0.02-1	mA
Load Current dc types									A
Load Current ac types					0.02-3	0.02-3			A
Voltage range	0.4-30				12-280	24-280	5-60	10-200	Vdc
Max. turn-on time	20	20	5		half-cycle	half-cycle	0.5	0.5	ms
Max. turn-off time	20	20	5		half-cycle	half-cycle	0.5	0.5	ms
Switching type	instant	instant	instant		zero	zero	instant	instant	
Colour Code	Yellow	Yellow	White		Black	Black	Red	Red	

	PART NUMBERS(System Voltage 24Vdc)						Vac Vdc
	IAC-24 MIAC24	IDC-24 MIDC24	OAC-24 MOAC24	OAC-24A MOAC24A	ODC-24 MODC24	ODC-24A MODC24A	
INPUT SPECIFICATIONS							
ac or dc input	90-140						
dc input	10-36		18-28				
OUTPUT SPECIFICATIONS							
Load Current	0.1-100						mA
Load Current dc types				0.02-3		0.02-1	A
Load Current ac types							A
Voltage range	0.4-30		12-280		5-60		Vdc
Max. turn-on time	20	5	half-cycle	24-280 half-cycle	0.5		Vac ms
Max. turn-off time	20	5	half-cycle	half-cycle	0.5ms		ms
Switching type	instant	instant	zero	zero	instant		
Colour Code	Yellow	White	Black	Black	Red		Red
GENERAL SPECIFICATIONS							
Isolation Voltage	4000						Vrms
Capciance input/output	8						pF
Temperature Range	-40 to 80						°C



MS Series Input/Output Module Mounting Boards

Crydom Series MS Mounting Boards are designed to accommodate up to 24 input/output Crydom Series IAC, Series 6 or DMP modules or equivalents in any mix. Modules can be easily inserted and removed without disturbing field wiring. Each I/O Module is firmly secured by a captive screw which mates with a threaded insert in the mounting board. Field wiring connections are made with wire clamping terminals that allow straight-in insertions of two wires using UL, CSA recognised barrier strips.

MS 'H' Series Boards

Field lines and data control lines are protected by a solder mask coating and separated by ground traces and a ground plane to minimise cross talk. Each data line has a 3.3K ohm pull-up resistor. Each field pair includes a plug-in replaceable 5A fuse to protect the wiring and/or load.

Connector Options

Except for the Model MS-4, Crydom mounting boards include both ribbon card edges and cable header pinout patterns to allow maximum flexibility for connecting to microprocessor boards. (A Logic Interface Connector table indicates the type of connectors each mounting board will accept.)

Due to space restrictions we are unable to provide full technical specifications for these mounting boards in this publication. Comprehensive data detailing circuit configurations and dimensional drawings are available upon request.

GENERAL SPECIFICATIONS	PART NUMBERS				
	MS4	MS4H	MS8H	MS16H	MS24H
Module Positions	4	4	8	16	24
Input/output Channels	4	4	8	16	24