

- Status Indicating LED on X4 Series and 4A Fuse
- UL, CSA, and CE
- Zero Cross Switching

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.

## INPUT SPECIFICATIONS

	OAC5 (S)MOAC5 X4OAC5	OAC15 (S)MOAC15 X4OAC15	OAC24 (S)MOAC24 X4OAC24	OAC5A (S)MOAC5A X4OAC5A	OAC15A (S)MOAC15A X4OAC15A	OAC24A (S)MOAC24A X4OAC24A
Nominal Input Voltage [Vdc]	5	15	24	5	15	24
Min. Input Voltage @ pin 3 [Vdc] (X4 Series)	3.0 (4)	8.5 (10)	16.5 (18)	3.0 (4)	8.5 (10)	16.5 (18)
Max. Input Voltage @ pin 3 [Vdc] (X4 Series)	8.0 (7.5)	18.5 (20)	29.0 (30.5)	8.0 (7.5)	18.5 (20)	29.0 (30.5)
Must Turn Off Voltage [Vdc]	2.0	2.0	2.0	2.0	2.0	2.0
Typical Input Current [mAdc]	10	10	10	10	10	10
Max. Input Current [mAdc]	27	20	13.5	27	20	
Nominal Input Resistance [ohm]	240	900	2.2K	240	900	2.2K

## OUTPUT SPECIFICATIONS

Nominal Line Voltage [Vrms]	120	120	120	240	240	240
Max. Line Voltage [Vrms]	140	140	140	280	280	280
Min. Line Voltage [Vrms]	12	12	12	24	24	24
Max. Peak Off-State Voltage [V peak]	400	400	400	600	600	600
Max. Off-State Leakage Current [mArms]	2.5	2.5	2.5	4.5	4.5	4.5
Static Off-State (dv/dt)[V/μs]	200	200	200	200	200	200
Max. On-State Current [Arms]	3	3	3	3	3	3
Min. On-State Current [mArms]	50	50	50	50	50	50
Max. One Cycle Surge [A peak]	100	100	100	100	100	100
Peak On-State Voltage [V peak]	1.6	1.6	1.6	1.6	1.6	1.6
Max. Turn-On Time [cycles]	1/2	1/2	1/2	1/2	1/2	1/2
Max Turn-Off Time [cycles]	1/2	1/2	1/2	1/2	1/2	1/2
Derating [mA per ° above 25° C]	33	33	33	33	33	33
Fuse Rating [fast-acting] (X4 Series Only)	4A	4A	4A	4A	4A	4A

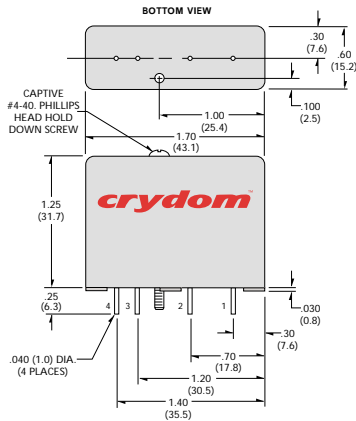
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## GENERAL SPECIFICATIONS

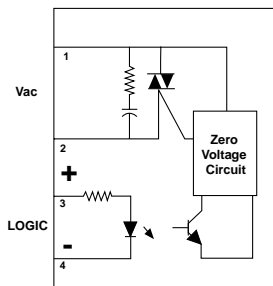
Operating temperature range	-30 to +80°C
Storage temperature range	-40 to +100°C
Isolation	4,000 Vrms
Capacitance input to output	8 pF
Line frequency range	47 to 63 Hz
Package Color	Black

## WIRING & MECHANICAL DIAGRAMS

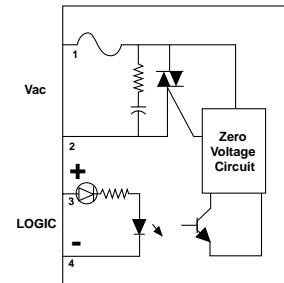
### Standard Series, OAC



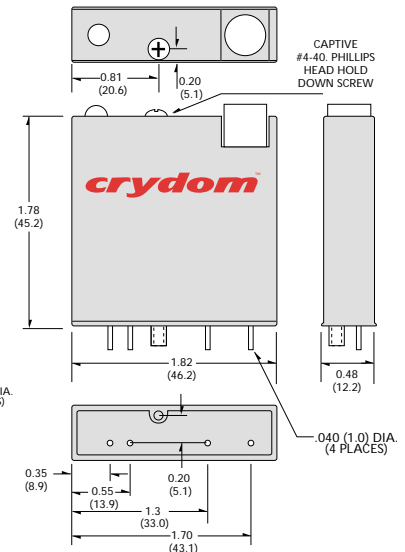
### Standard and Mini Pack



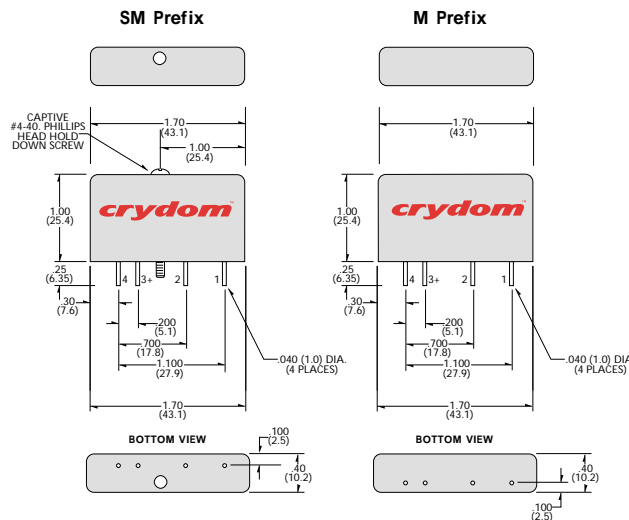
### X4 Series



### X4 Series, X4OAC



### MINI-PACK Series, (S)MOAC



## APPLICATION NOTES

- Do not install or remove modules in live (electrically hot) circuits. High voltage may be present.
- An externally located commutating diode must be installed across inductive loads
- I/O module boards also available

All dimensions are in inches (millimeters)

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