crydom™

Series IAC, (S)MIAC, X4IAC

AC Input Modules

- **Status Indicating LED on X4 Series**
- **UL, CSA, and CE**

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	IAC5 (S)MIAC5 X4IAC5	IAC15 (S)MIAC15 X4IAC15	IAC24 (S)MIAC24 X4IAC24	IAC5A (S)MIAC5A X4IAC5A	IAC15A (S)MIAC15A X4IAC15A	IAC24A (S)MIAC24A X4IAC24A
Nominal input voltage [Vrms/Vdc]	120	120	120	240	240	240
Minimum Input Voltage [Vrms/Vdc]	90	90	90	180	180	180
Maximum Input Voltage [Vrms/Vdc]	140	140	140	280	280	280
Maximum Input Current [mA rms]	10	10	10	8	8	8
Drop Out Current [mA rms]	2.5	2.5	2.5	1.5	1.5	1.5
Allowable Off-state Current [mA rms]	3.0	3.0	3.0	2.0	2.0	2.0
Allowable Off-state Voltage [Vrms/Vdc]	50.0	50.0	50.0	120	120	120

OUTPUT SPECIFICATIONS						
Nominal Logic Voltage [Vdc]	5	15	24	5	15	24
Minimum Logic Voltage [Vdc] (X4 Series)	1.5 (3)	8.5 (10)	16.5 (18)	1.5 (3)	8.5 (10)	16.5 (18)
Maximum Logic Voltage [Vdc] (X4 Series)	6.0 (7)	18.5 (20)	30.5 (32)	6.0 (7)	18.5 (20)	30.5 (32)
Typical Logic Supply Current [mAdc]	10	10	10	10	10	10
Max. Logic Supply Current [mAdc]	18.5	16	14	18.5	16	14
Max. Logic Sup. Leak. Current [µAdc]	10	10	10	10	10	10
Maximum Output Voltage [Vdc]	30	30	30	30	30	30
Maximum Output Current [mAdc]	50	50	50	50	50	50
Max. Output Leakage Current [µAdc]	10	10	10	10	10	10
Max. Output Voltage Drop [mVdc]	200	200	200	200	200	200
Maximum Turn-on Time [msec]	20	20	20	20	20	20
Maximum Turn-off Time [msec]	30	30	30	30	30	30

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For recommended applications and more information contact:
USA: Sales Support (877) 502-5500 **Tech Support** (877) 702-7700 **FAX** (619) 710-8540
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UK: +44 (0)1202 365070 • **FAX** +44 (0)1202 365090 Crydom International Ltd., 7 Cobham Road, Ferndown Industrial Estate, Ferndown, Dorset BH21 7PE, **Email**: intsales@crydom.com.
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ISO 9001 CERTIFIED

Series IAC, (S)MIAC, X4IAC

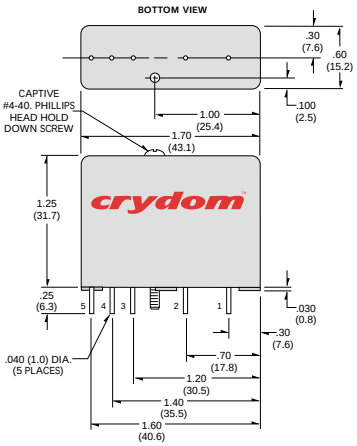
AC Input Modules

GENERAL SPECIFICATIONS

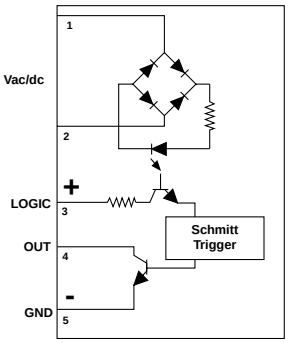
Operating temperatue ranger	-30 to +80˚C
Storage temperature range	-40 to +100˚C
Isolation	4,000 V rms
Capacitance input to output	8 pF
Line frequency range	47 to 63 Hz
Package Color	Yellow

WIRING & MECHANICAL DIAGRAMS

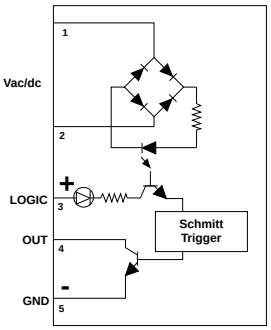
Standard Series, IAC



Standard and Mini Pack

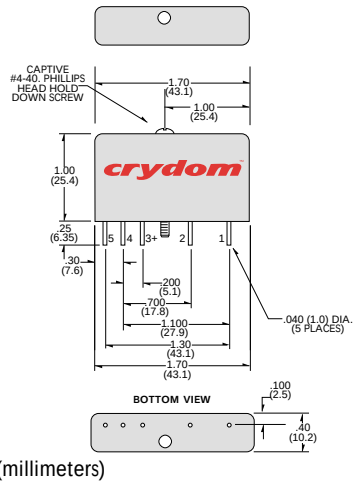


X4 Series

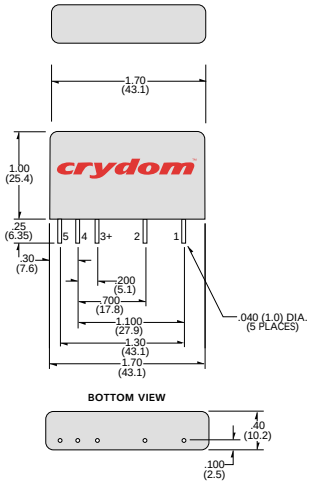


MINI-PACK Series, (S)MIAC

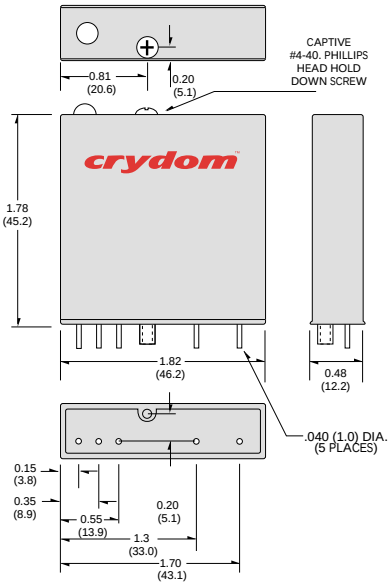
SM Prefix



M Prefix



X4 Series, X4IAC



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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