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Find the *Crydom D2425* at our website: ***Click HERE***

Power Controller to 50A
L Series



FEATURES:

- Solid State Relay Assemblies rated to 40A/pole @ 40° C (100% duty cycle)
- Available in 1, 2 & 3 Pole configurations
- Relays approved to the following: UL, CSA, VDE and CE
- Zero cross switching standard
- Finger safe covers standard

OUTPUT SPECIFICATIONS	AC		DC	
	HBC-90HAL	HBC-690HAL	HBC-90HDL	HBC-690HDL
Operating Voltage (47-63 Hz) [Vrms]	48-530	48-660	48-530	48-660
Load Current Range [Arms]	.04-50	.04-50	.04-50	.04-50
Transient Overvoltage [Vpk]	1200	1200	1200	1200
Max. Surge Current, (16.6ms) [Apk]	1200	1200	1200	1200
Max. On-State Voltage Drop [Vpk]	1.7	1.7	1.7	1.7
Max. Turn-on Time	10.0mS	10.0mS	1/2 cycle	1/2 cycle
Max. Turn-off Time	40.0mS	40.0mS	1/2 cycle	1/2 cycle
Max.I^2t for fusing (8.3mS)	6000	6000	6000	6000
Max. Off-State Leakage Current [mArms]	10	5	10	5
Power Factor (Min.) with Max. Load	0.5	0.5	0.5	0.5
INPUT SPECIFICATIONS				
Control Voltage Range	90-280Vrms	90-280Vrms	3-32Vdc	3-32Vdc
Max. Turn-on Voltage	90Vrms	90Vrms	3.0Vdc	3.0Vdc
Min. Turn-off Voltage	10Vrms	10Vrms	1.0Vdc	1.0Vdc
Nominal Input Impedance [Ohms]	60K	60K	See Note *	See Note *
Typical Input Current	2mA @ 120Vrms, 4mA @ 240Vrms		2.0 mA *	

* Input circuitry incorporates active current limiter.

INPUT OPTIONS
Change HBC Prefix To:
(Ex: HBC-90HDL = LPC-90HDL)

TP Time proportioning controller (Burst Fire)
Input: 0-10VDC, 0-5VDC, 2-10VDC, 1-5VDC, 4-20mA, 0-20mA, Potentiometer, 0-135Ω (TP135 prefix)
(24VAC Power Supply Required)

TPLP Loop powered time proportionng controller (Burst Fire)
Input: 4-20mA

LPC Linear phase angle controller
Input: 0-10VDC, 0-5VDC, 2-10VDC, 1-5VDC, 4-20mA, 0-20mA, Potentiometer, 0-135Ω (TP135 prefix)
(24VAC Power Supply Required)

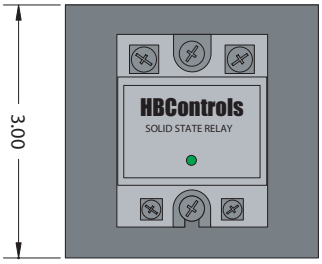
Also Available: Relay Monitoring Boards (See MB Spec Sheets)

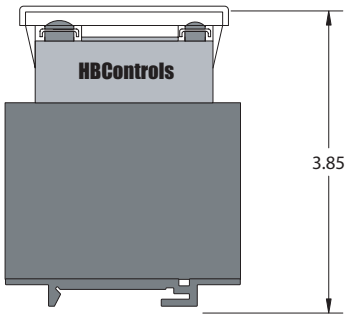
OPTIONS:

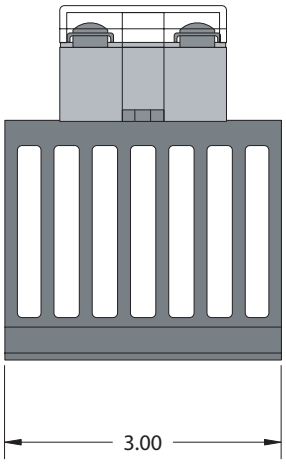
-10	Random turn-on
-2	3 Phase / 2 Pole configuration
-3	3 Phase / 3 Pole configuration
-WH	Wiring harness for multi-pole configurations
-E	24VAC Control
-M	MOV - external transient voltage suppression
-P	Internal transient voltage suppression
-Z	LED input status indicator (DC input only)
-TP	Through panel-mount
-PM	Panel Mount
-ND	No DIN Clip
-CT	Current Transducer

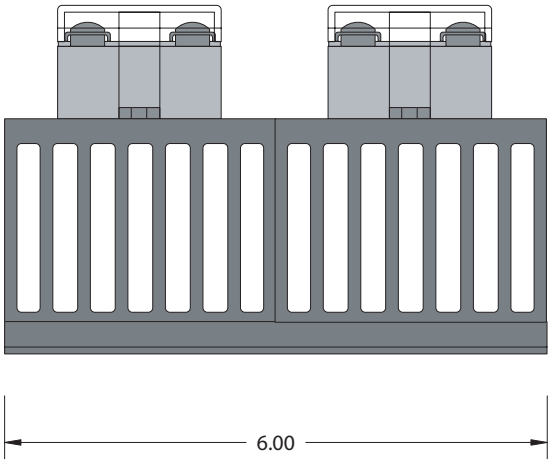
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L Series



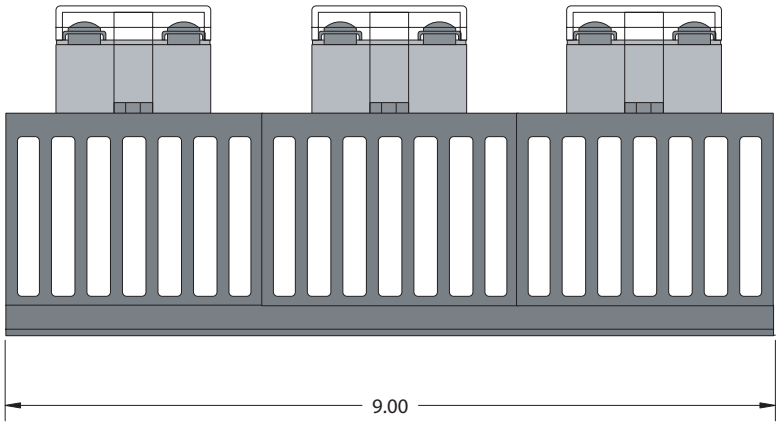






3 Phase/
2 Pole
(-2 Option)

3 Phase/
3 Pole
(-3 Option)



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