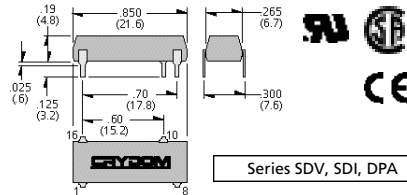


## PCB Mount SSRs

### SERIES SDV, SDI, DPA 1-1.5 Amp • 120/240Vac • 16 PIN DIP Package

This Series of compact 16 pin DIP solid state relays are rated at 1.0 - 1.5 Amp RMS at ambient temperatures up to 40°C. The package is perfect for high density printed circuit boards. Your choice of either voltage or current operated versions are offered.

- High-Density, DC Control, SCR Output
- Switching: Zero-Cross, Random Turn-On



Series SDV, SDI, DPA

Type	Operating Voltage Range (Vrms)	Transient Over Voltage (Vp)	Max. Load Current @ 40°C (Arms)	Control Voltage Range (Vdc)
SDV2415	12-280	600	1.5	3.5-10
SDV2415R*	12-280	600	1.5	3.5-10
DPA4119	20-140	400	1.0	3.5-10
DPA6119	20-280	600	1.0	3.5-10

Type	Operating Voltage Range (mA)	Transient Over Voltage (Vp)	Max. Load Current @ 40°C (Arms)	Control Current Range (mA)
SDI2415	12-280	600	1.5	10-50
SDI2415R*	12-280	600	1.5	10-50
DPA4111	20-140	400	1.0	10-50
DPA6111	20-280	600	1.0	10-50

Operating Temp Range: -30°C to 80°C    Isolation Voltage (Vac): 4000  
\* R suffix - Random Turn-On Version

### SERIES AO, ASO 1-2.0 Amp • 120/240Vac • 16 MINI-SIP Package

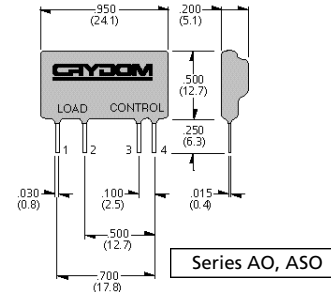
Models AO241/R, ASO241/R and ASO242/R are 1.0A/1.5A/2.0A rated SPST-NO miniature SIP solid state relays. ASO models are designed for switching highly inductive, low current loads such as solenoids.

- DC Control, AC Output
- Triac (AO) or SCR (ASO) Output



Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
AO241	24-280	.02-1.0	4-10	40
AO241R*	24-280	.02-1.0	4-10	40
ASO241	12-280	.01-1.5	4-10	10
ASO241R*	12-280	.01-1.5	4-10	10
ASO242	12-280	.01-2.0	4-10	40
ASO242R*	12-280	.01-2.0	4-10	40

Operating Temp Range: -30°C to 80°C    Isolation Voltage (Vac): 2500  
\* R suffix - Random Turn-On Version



Series AO, ASO

### SERIES DO, DMO 1-3.0 Amp • 60, 100Vdc • DC MINI-SIP Package

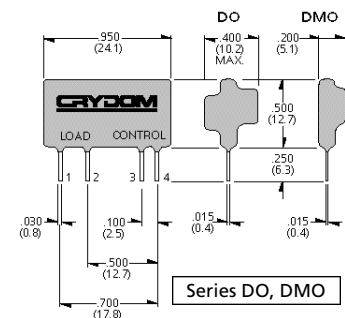
SPST-NO DC output relays in epoxy-coated packages utilize the popular .10" grid lead spacing. They are available with either bipolar transistor output (DO), or the DMO063 with MOSFET output is rated at 3A/60 VDC.

- DC Control
- Bipolar (DO) or MOSFET (DMO) DC Output



Type	Line Voltage Range (Vdc)	Load Current Range (A dc)	Control Voltage Range (Vdc)	Surge Current 1-Sec (Apk)
DO061A	3-60	.02-1.0	3-9	5.0
DO061B	3-60	.02-1.0	1.7-9	5.0
DMO063	0-60	0-3.0	3-10	12.0

Operating Temp Range: -30°C to 80°C  
Isolation Voltage (Vac): 4000, 2500 (DMO)



Series DO, DMO

### SERIES CX241, MCX241 1.5 Amp • 120/240Vac • AC SIP Package

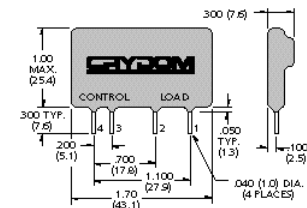
The CX241 AC relays are SPST-NO low profile SIP solid state relays. These models offer the ASO circuit with the popular CX pin-out.

- DC Control, SCR AC Output
- Low Minimum Operating Current



Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Sec (Apk)
CX241	12-280	.01-1.5	4-10	10
CX241R*	12-280	.01-1.5	4-10	10

Operating Temp Range: -30°C to 80°C    Isolation Voltage (Vac): 4000  
Both models available in the MP package (See Series MP).  
Use 'M' Prefix, Example: MCX241 \* R suffix - Random Turn-On Version



Series CX241

### SERIES ASPF (POWERFIN - INTEGRAL HEATSINK) 3 Amp • 120/240Vac • AC MINI-SIP Package

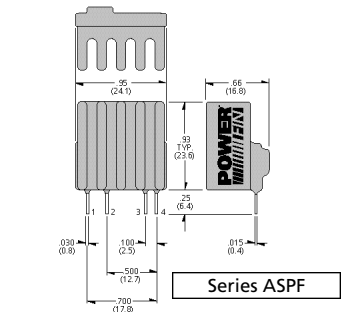
The Series ASPF incorporates Crydom's patented PowerFin™ design technology with integral heat sink. Rated at 3 Amps up to 45°C, this SPST-NO AC output SSR is designed for precise electrical power applications.

- DC Control, AC Output
- SCR Output, Crydom's Patented PowerFin Design



Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
ASPF241	24-280	0.1-3.0	4-10	30
ASPF241R*	24-280	0.1-3.0	4-10	30

Operating Temp Range: -30°C to 80°C  
Isolation Voltage (Vrms): 3750  
\* R suffix - Random Turn-On Version



Series ASPF

### SERIES CMX 5-10 Amp • 60-100Vdc • DC SIP Package

DC output SPST-NO solid state relays use MOSFET output for high switching capabilities in a PC-mount air-cooled package. Pinouts are compatible with Series 6 and ODC type I/O modules.

- DC Control, DC Output -MOSFET
- Extra Low On-State Resistance



Type	Line Voltage Range (Vdc)	Load Current Range (A dc)	Control Voltage Range (Vdc)	Surge Current 10ms (Apk)
CMX60D5	0-60	0-5	3-10	60
CMX60D10	0-60	0-10	3-10	100
CMX100D6	0-100	0-6	3-10	100

Operating Temp Range: -30°C to 80°C  
Isolation Voltage (Vrms): 2500  
Note: See Series CX for Mechanical Drawing

# PCB Mount SSRs

## SERIES MPF (POWERFIN – INTEGRAL HEATSINK) 4 Amp • 120/240Vac • AC Output, SIP Package

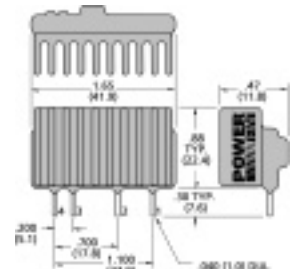
The Series MPF SSR offers Crydom's patented PowerFin™ design technology with integral heat sink. This economical SSR is rated at 4 Amps up to 45°C, this low profile SIP has the same pin-out as the popular Series CX.

- Integral Heat Sink for High Ratings
- SCR Output, Crydom's Patented PowerFin Design



Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
MPF240D4	12-280	0.1-4.0	4-10	40
MPF240D4	12-280	0.1-4.0	4-10	40

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 3750  
\* R suffix - Random Turn-On Version



Series MPF

## SERIES CX, MCX 5 Amp • 120/240, 380, 480Vac • AC SIP Package

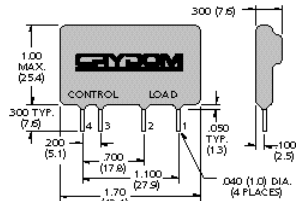
Crydom's family of SPST-NO relays achieves one of the highest power switching capabilities in a PC-mounted air-cooled package. Advanced features include exceptional steady state current, plus ultra-high surge ratings.

- AC or DC Control, SCR Output
- Ultra-High Surge Rating



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
CX240D5	12-280	.06-5.0	3-15	250
CX240D5R	12-280	.06-5.0	3-15	250
CXE240D5	12-280	.06-5.0	15-32	250
CXE240D5R*	12-280	.06-5.0	15-32	250
CX380D5	48-530	.06-5.0	4-15	250
CXE380D5	48-530	.06-5.0	15-32	250
CX480D5	48-660	.06-5.0	4-15	250
CXE480D5	48-660	.06-5.0	15-32	250

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vac): 4000  
\* R suffix - Random Turn-On Version  
AVAILABLE OPTION: -B Normally Closed (CX240D5 Only)  
All models available in MP package. Use M prefix.



Series CX

## SERIES PF (POWERFIN – INTEGRAL HEATSINK) Up to 25 Amp • 120/240, 380, 480Vac • AC SIP Package

Crydom's PowerFin™ series delivers the highest ratings of any single in-line package (SIP). The integral heat sink design can operate at 25 amps RMS in forced air at 85°C case temp. With natural convection in free air, it rates 10 amps RMS at 25°C ambient.

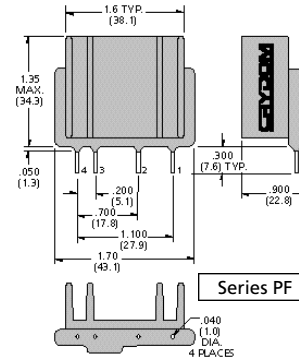
- AC or DC Control, SCR Output
- Switching: Zero-Cross, Random Turn-On



AC CONTROL Type	Line Voltage Range (Vrms)	Load Current** Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
PF240A25	12-280	.06-25	90-140	250
PFE240A25	12-280	.06-25	18-36	250
PF240A25R*	12-280	.06-25	90-140	250
PFE240A25R*	12-280	.06-25	18-36	250

DC CONTROL Type	Line Voltage Range (Vrms)	Load Current** Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
PF240D25	12-280	.06-25	3-15	250
PFE240D25	12-280	.06-25	15-32	250
PF240D25R*	12-280	.06-25	3-15	250
PFE240D25R*	12-280	.06-25	15-32	250
PF380D25	48-530	.06-25	4-15	250
PFE380D25	48-530	.06-25	15-32	250
PF480D25	48-660	.06-25	4-15	250
PFE480D25	48-660	.06-25	15-32	250

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 2500  
\* R suffix - Random Turn-On Version  
\*\* .06-25 in forced air, Heat Sink 85°C max., .06-10 natural convection, free air @ 25°C ambient



Series PF

## SERIES CTX 4 x 2.5 Amp • 120/240Vac • AC SIP Package

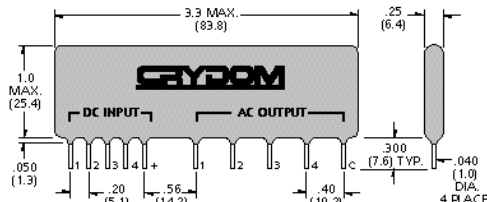
The CTX240D3Q offers four independently controlled SSRs in one compact PCB mount package. Based on the Series CX line, offers ultra-high surge rating, extra low leakage and 4-10 Vdc logic compatible input.

- 4 AC Relays in One Compact PCB Package
- TRIAC Output



Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 10 ms (Apk)
CTX240D3Q	24-280	0.1-6.0**	4-10	120
CTX240D3QR	24-280	0.1-6.0**	4-10	120

Operating Temp Range: -30°C to 80°C  
Isolation Voltage (Vrms): 2500  
\*\*1 Section On: 0.1-6.0, 2 Sections On: 0.1-4.0, 3 Sections On: 0.1-3.0, 4 Sections On: 0.1-2.5



Series CTX

## SERIES D2W 2-3.5 Amp • 120/240Vac • AC SIP Package

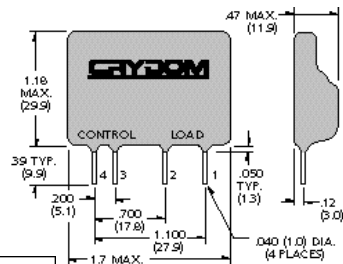
The D2W Series features an epoxy-coated package that provides exceptional environmental protection. Pinouts are compatible with Series 6 and OAC type I/O modules.

- DC Control, AC Output
- TRIAC Output



Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
D2W202F	24-280	.06-2.0	3-32	28
D2W203F	24-280	.06-3.0	3-32	70
D2W203F-11	24-280	.06-3.5	3-32	80

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 2500



Series D2W

7  
RELAYS

# PCB Mount SSRs

## SERIES MP

3-4 Amp • 120/240Vac • AC Output

Fast Fax No. 111, 112

Available in 3Arms and 4Arms ratings, all are SPST-NO PC-mount relays that provide greater packaging density and compatibility with pin out of Series 6 and OAC output modules. Internal snubber included.

- Opto-Isolated 4000Vrms
- Compatible with 5, 15 & 24V Logic Systems

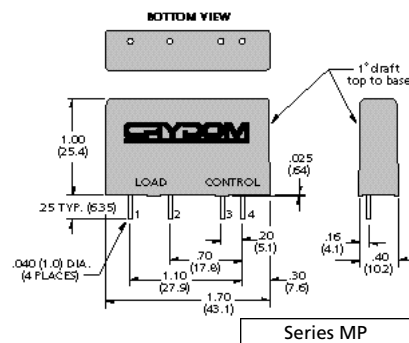


AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 10 ms (Apk)
MP120D3	12-140	.02-3.0	3-32	90
MP240D3	24-280	.02-3.0	3-32	90
MP240D4	24-280	.02-4.0	3-32	130

DC CONTROL Type	Line Voltage Range (Vdc)	Load Current Range (Acd)	Control Voltage Range (Vdc)	Surge Current 1 s (A)
MPDCD3	3-60	.02-3.0	3-32	5.0

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 4000  
 \* R suffix - Random Turn-On Version  
 PX models available in the MP package (See Series MP).  
 Use 'M' Prefix, Example: MPX240D5



# Panel Mount SSRs

## SERIES 1

10-125 Amp • 120/240Vac • AC Output

Fast Fax No. 151, 152

Featuring state-of-the-art Surface Mount Technology, these SPST-NO relays deliver proven reliability in the most demanding applications. Output consists of an SCR AC switch with internal snubber and is available in zero-cross, random turn-on (phase controllable) versions with either AC or DC input (coil) control.

- AC or DC Control, SCR AC Output
- Zero Voltage & Random Turn-On Switching

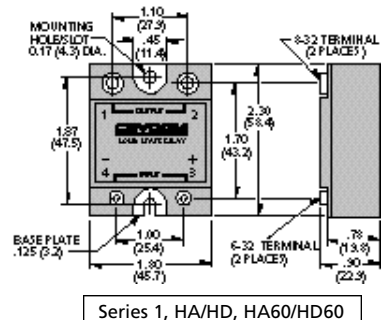


DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
D1202	24-140	.04-2.5	3-32	22.5
D1210	24-140	.04-10	3-32	120
D1225	24-140	.04-25	3-32	250
D1240	24-140	.04-40	3-32	625
D2410	24-280	.04-10	3-32	120
D2425	24-280	.04-25	3-32	250
D2440	24-280	.04-40	3-32	625
D2450	24-280	.04-50	3-32	625
D2475	24-280	.04-75	3-32	1000
D2490	24-280	.04-90	3-32	1200
D24110	24-280	.04-110	3-32	1500
D24110-10	24-280	.04-110	3-32	1500
D24125	24-280	.04-125	3-32	1750
D24125-10	24-280	.04-125	3-32	1750
D4812	80-530	.04-12	3-32	140
D4825	80-530	.04-25	3-32	250
D4840	80-530	.04-40	3-32	625
D4850	80-530	.04-50	3-32	625
D4875	80-530	.04-75	3-32	1000
D4890	80-530	.04-90	3-32	1200

AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vac)	Surge Current 1-Cycle (Apk)
A1210	24-140	.04-10	3-32	120
A1225	24-140	.04-25	3-32	250
A1240	24-140	.04-40	3-32	625
A2402	24-280	.04-2.5	3-32	22.5
A2410	24-280	.04-10	3-32	120
A2425	24-280	.04-25	3-32	250
A2440	24-280	.04-40	3-32	625
A2450	24-280	.04-50	3-32	625
A2475	24-280	.04-75	3-32	1000
A2490	24-280	.04-90	3-32	1200
A24110	24-280	.04-110	3-32	1500
A24110-10	24-280	.04-110	3-32	1500
A24125	24-280	.04-125	3-32	1750
A24125-10	24-280	.04-125	3-32	1750
A4812	80-530	.04-12	3-32	140
A4825	80-530	.04-25	3-32	250
A4840	80-530	.04-40	3-32	625
A4850	80-530	.04-50	3-32	625
A4875	80-530	.04-75	3-32	1000
A4890	80-530	.04-90	3-32	1200

- Series 1 AVAILABLE OPTIONS:
- 10 Non-Zero Cross, Phase Controllable
  - B Normally Closed (Form B)
  - 4D 400 Hz Operation
  - E 24 VAC Input (18-36 Vac)
  - F Faston terminal (see data sheet)

Operating Temp Range: -30°C to 80°C  
 Isolation Voltage (Vrms): 4000



## SERIES HA/HD, HA60/HD60

12-125 Amp • 480, 600Vac • AC Output

Fast Fax No. 158, 159

Crydom's HA (AC control) and HD (DC control) relays incorporate the same proven technologies as our Series 1. All models come with 1200 V blocking as standard and are available in either zero-cross or random turn-on and phase controllable (-10) switching versions.

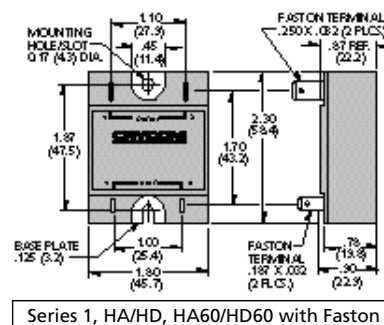
- AC or DC Control, 1200 Volt Blocking
- Zero Voltage & Random Turn-On Switching



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
HD4812	48-530	.04-12	3-32	140
HD4825	48-530	.04-25	3-32	250
HD4850	48-530	.04-50	3-32	625
HD4875	48-530	.04-75	3-32	1000
HD4890	48-530	.04-90	3-32	1200
HD48110	48-530	.04-110	3-32	1500
HD48125	48-530	.04-125	3-32	1750
HD6025*	48-660	.04-25	3-32	250
HD6050*	48-660	.04-50	3-32	625
HD6090*	48-660	.04-90	3-32	1200
HD60125*	48-660	.04-125	3-32	1750

AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vac)	Surge Current 1-Cycle (Apk)
HA4812	48-530	.04-12	90-280	140
HA4825	48-530	.04-25	90-280	250
HA4850	48-530	.04-50	90-280	625
HA4875	48-530	.04-75	90-280	1000
HA4890	48-530	.04-90	90-280	1200
HA48110	48-530	.04-110	90-280	1500
HA48125	48-530	.04-125	90-280	1750
HA6025*	48-660	.04-25	90-280	250
HA6050*	48-660	.04-50	90-280	625
HA6090*	48-660	.04-90	90-280	1200
HA60125*	48-660	.04-125	90-280	1750

\* Output marked with nominal 600Vac Line Voltage Rating, as preferred in Canada



- Series HA/HD, HA60/HD60 AVAILABLE OPTIONS:
- 10 Non-Zero Cross, Phase Controllable
  - E 24 VAC Input (18-36 Vac)
  - F Faston terminal (see data sheet)

Operating Temp Range: -30°C to 80°C  
 Isolation Voltage (Vrms): 4000

# Panel Mount SSRs

# 7 RELAYS

## SERIES CS

10-90 Amp • 120/240Vac • AC Output

Fast Fax No. 162

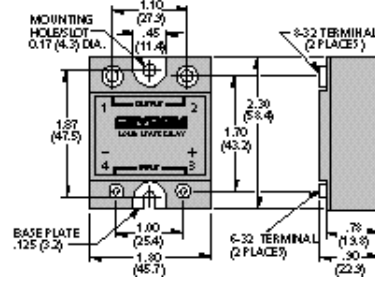
The Series CS has an SCR AC switch output featuring low off-state leakage (1mA, snubberless), zero-voltage switching and a broadened operating range (24-280Vac). This wide range permits optimum performance at both 120Vac and 240Vac line voltages.

- DC Control, SCR AC Output
- Low Leakage, Zero Voltage Switching



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
CSD2410	24-280	.15-10	3.5-15	120
CSD2425	24-280	.15-25	3.5-15	250
CSD2440	24-280	.15-40	3.5-15	625
CSD2450	24-280	.15-50	3.5-15	625
CSD2475	24-280	.25-75	3.5-15	1000
CSE2410	24-280	.15-10	15-32	120
CSE2425	24-280	.15-25	15-32	250
CSE2440	24-280	.15-40	15-32	625
CSE2450	24-280	.15-50	15-32	625
CSE2475	24-280	.25-75	15-32	1000
CSE2490	24-280	.25-90	15-32	1200
CTD2410	24-280	.15-10	3.5-15	120
CTD2425	24-280	.15-25	3.5-15	250

Operating Temp Range: -40°C to 80°C Isolation Voltage (Vrms): 4000



Series CS and H12

## SERIES H12

25-90 Amp • 480, 600Vac • AC Output

Fast Fax No. 157

High voltage relays use IC driven circuits for switching loads up to 660 VAC. All models come with 1200 Volts blocking standard and are available with either AC or DC input (coil) control. Types CA, CD and WD are snubberless.

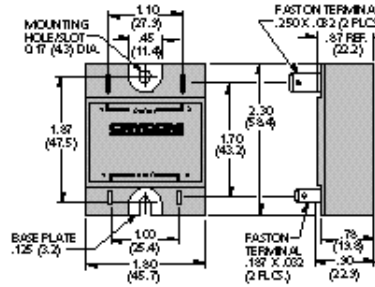
- 1200 Volt Blocking
- Up to 660Vac



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
H12CD4850	48-660	.15-50	4-8	625
H12CD4890	48-660	.15-90	4-8	1200
H12WD4850	48-660	.15-50	4-32	625
H12WD4890	48-660	.15-90	4-32	1200
H12D4825	48-530	.15-25	4-32	250
H12D4850	48-530	.15-50	4-32	625
H12D4875	48-530	.15-75	4-32	1000
H12D4890	48-530	.15-90	4-32	1200

AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vac)	Surge Current 1-Cycle (Apk)
H12CA4850	48-660	.15-50	90-140	625
H12CA4890	48-660	.15-90	90-140	1200

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 4000



Series CS and H12 with Faston Terminals

## SERIES NTD/NTA

10-25 Amp • 120/240Vac • AC Output

Fast Fax No. 176

Featuring zero-voltage or random switching and a broadband operating range (24-280Vac). This wide range permits optimum performance at both 120Vac and 240Vac line voltages.

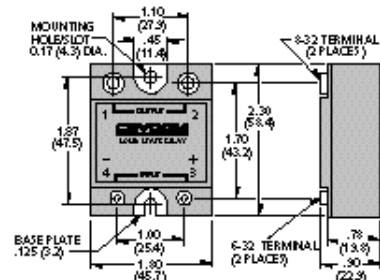
- AC or DC Control, Cost Effective
- Zero Voltage or Random Turn-On Switching



DC CONTROL Type	Line Voltage Range (Vrms)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
NTD2405	24-480	.15-5	4-15	40
NTD2410	24-480	.15-10	3-32	120
NTD2425	24-480	.15-25	3-32	250

AC CONTROL Type	Line Voltage Range (Vrms)	Load Current Range (Arms)	Control Voltage Range (Vrms)	Surge Current 1-Cycle (Apk)
NTA2410	24-480	.15-10	90-140	120
NTA2425	24-480	.15-25	90-140	250

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vac): 4000



Series NTD/NTA

## SERIES 53TP

25-50 Amp • 240/480 • 3 Phase

Fast Fax No. 161

Three-phase solid state relays switch up to 530 Vrms directly to loads such as motors, transformers, heating elements, etc. Available with either AC or DC input (coil) control in zero-voltage or random turn-on switching versions.

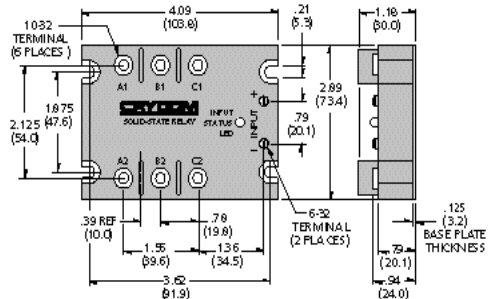
- SCR Output
- LED Status Indicator



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
D53TP25D	48-530	.05-25	3-32	250
D53TP50D	48-530	.05-50	3-32	625

AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vac)	Surge Current 1-Cycle (Apk)
A53TP25D	48-530	.05-25	90-280	250
A53TP50D	48-530	.05-50	90-280	625

Operating Temp Range: -40°C to 80°C Isolation Voltage (Vrms): 4000



Series 53TP

# Panel Mount SSRs

## SERIES SMR

25-90 Amp • 120/240Vac • AC Output

Fast Fax No. 154

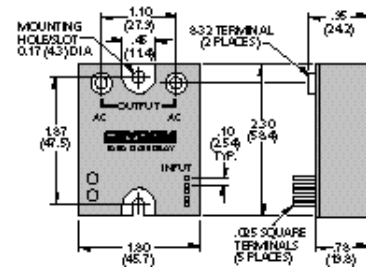
The SMR Series of System Monitoring Relays offer the user a number of fault condition alarms. Loss of voltage, open circuit load, damaged relay output and loss of DC supply current are constantly monitored by this unique Solid State Relay.

- System Monitoring SSR
- Alarm Output, LED Status Indicators



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
SMR2425	48-280	.04-25	8-32	250
SMR2450	48-280	.04-50	8-32	625
SMR2490	48-280	.04-90	8-32	1200
SMR2425-6	48-280	.04-25	8-32	250
SMR2450-6	48-280	.04-50	8-32	625
SMR2490-6	48-280	.04-90	8-32	1200

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 4000  
Note: 6 pin version provides invert/non invert control, input and alarm output



Series SMR

## SERIES EZ

12-18 Amp • 120/240, 480Vac • AC Output

Fast Fax No. 160

The Series EZ SPST-NO AC output relays offer a low profile package with convenient quick-connect terminals and is the preferred choice for replacement of 120V and 240V Electro-mechanical relays.

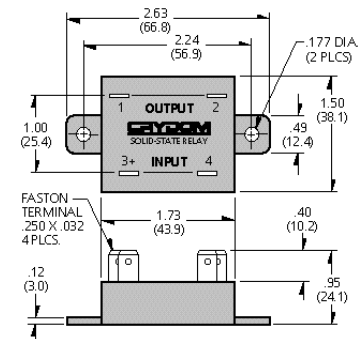
- AC or DC Control, SCR AC Output
- Low Leakage



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
EZ240D12	24-280	.15-12	3-15	150
EZ240D18	24-280	.15-18	3-15	200
EZ480D12	48-660	.15-12	4-15	150
EZ480D18	48-660	.15-18	4-15	200
EZE240D12	24-280	.15-12	15-32	150
EZE240D18	24-280	.15-18	15-32	200
EZE480D12	48-660	.15-12	15-32	150
EZE480D18	48-660	.15-18	15-32	200

AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
EZ240A12	24-280	.15-12	90-140	150
EZ240A18	24-280	.15-18	90-140	200
EZ480A12	48-660	.15-12	90-140	150
EZ480A18	48-660	.15-18	90-140	200
EZE240A12	24-280	.15-12	18-36	150
EZE240A18	24-280	.15-18	18-36	200
EZE480A12	48-660	.15-12	18-36	150
EZE480A18	48-660	.15-18	18-36	200

AVAILABLE OPTIONS: S Internal Snubber R Random Turn-On Switching  
Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 4000 (240V, DC Control)



Series EZ

## DUAL Relays

25-40 Amp • 120/240, 480Vac

Fast Fax No. 165

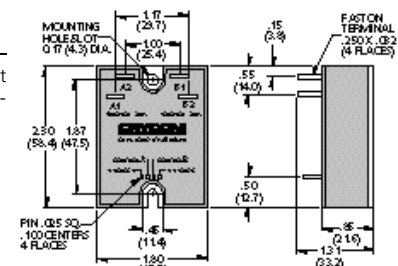
Two totally independent AC output relays come in a single standard panel-mount package. Utilizing an AC switch output with internal snubber, relays provide greater protection against false triggering. Model choices include zero-voltage or random turn-on (phase controllable) switching.

- Zero Voltage & Random Turn-On Switching
- SCR Output, Industry Standard Package



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
D2425D	24-280	.15-25	4-15	250
D2440D	24-280	.15-40	4-15	625
H12D2425D	48-530	.15-25	4-15	250
H12D2440D	48-530	.15-40	4-15	625

AVAILABLE OPTIONS: -10 Non-Zero Cross, Instantaneous Turn-On  
Operating Temp Range: -40°C to 80°C Isolation Voltage (Vrms): 4000  
For 480Vac models see data sheet



DUAL Relays

## QUAD Relays

20 Amp • 120/240 Vac • AC Output

Fast Fax No. 166

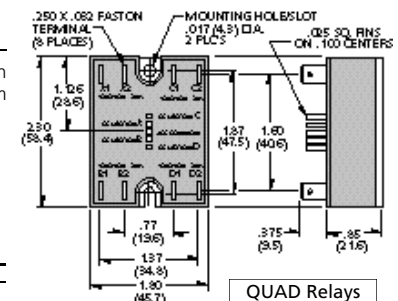
Four independent AC output relays come in a single standard panel-mount package. Utilizing an AC switch output with internal snubber, relays provide greater protection against false triggering. Model choices include zero-voltage or random turn-on (phase controllable) switching.

- Zero Voltage & Random Turn-On Switching
- Triac Output, Industry Standard Package



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
TD2420Q	24-280	.15-20	4-15	250

AVAILABLE OPTIONS: -10 Non-Zero Cross, Instantaneous Turn-On  
Operating Temp Range: -40°C to 80°C Isolation Voltage (Vrms): 2500



QUAD Relays

# Panel Mount SSRs

## SERIES CMD/CMA 25-125 Amp • 240, 480, 600 Vac • AC Output

Featuring state-of-the-art Surface Mount Technology, this SPST-NO relay delivers proven reliability in the most demanding applications. Output consists of an SCR AC switch and is available in zero-cross and random turn-on versions.

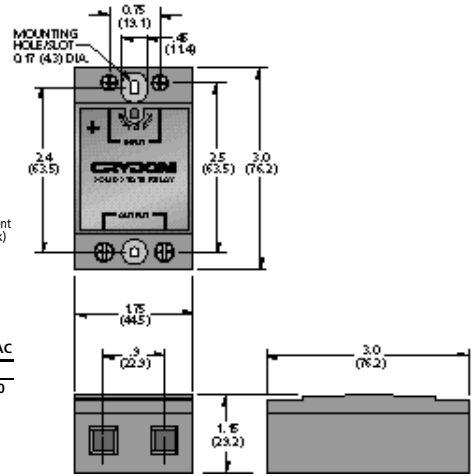
- AC or DC Control with Status Indicating Display
- Zero Voltage & Random Turn-On Switching



DC/AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc/Vrms)	Surge Current 16.6ms (Apk)
CMD/CMA2425	24-280	0.15-25	3-32/90-140	250
CMD/CMA2450	24-280	0.15-50	3-32/90-140	625
CMD/CMA2475	24-280	0.25-75	3-32/90-140	1000
CMD/CMA2490	24-280	0.25-90	3-32/90-140	1200
CMD/CMA24110	24-280	0.25-110	3-32/90-140	1500
CMD/CMA24125	24-280	0.25-25	3-32/90-140	1750
CMD/CMA4825	48-530	0.15-25	3-32/90-140	250
CMD/CMA4850	48-530	0.15-50	3-32/90-140	625
CMD/CMA4875	48-530	0.25-75	3-32/90-140	1000
CMD/CMA4890	48-530	0.25-90	3-32/90-140	1200
CMD/CMA48110	48-530	0.25-110	3-32/90-140	1500
CMD/CMA48125	48-530	0.25-25	3-32/90-140	1750

DC/AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc/Vrms)	Surge Current 16.6ms (Apk)
CMD/CMA6025	48-660	0.15-25	3-32/90-140	250
CMD/CMA6050	48-660	0.15-50	3-32/90-140	625
CMD/CMA6075	48-660	0.25-75	3-32/90-140	1000
CMD/CMA6090	48-660	0.25-90	3-32/90-140	1200
CMD/CMA60110	48-660	0.25-110	3-32/90-140	1500
CMD/CMA60125	48-660	0.25-25	3-32/90-140	1750 AC

AVAILABLE OPTIONS: -10 Random Turn-On, Phase Controllable  
Operating Temp Range: -30°C to 80°C Isolation Voltage (Vac): 4000



## SERIES DC60 3-7 Amp • 60Vdc • DC Output

Bipolar transistor outputs are available in 3, 5 and 7 amp ratings. Cost-effective relays offer 4000 Volt isolation and come in Crydom's standard panel-mount package.

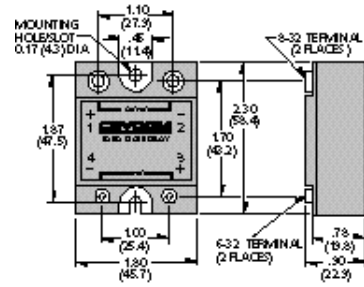
- AC or DC Control, Cost Effective
- Industry Standard Package



DC CONTROL Type	Line Voltage Range (Vdc)	Load Current Range (Acd)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
DC60S3	3-60	.02-3	3.5-32	6
DC60S5	3-60	.02-5	3.5-32	10
DC60S7	3-60	.02-7	3.5-32	14

AC CONTROL Type	Line Voltage Range (Vdc)	Load Current Range (Acd)	Control Voltage Range (Vac)	Surge Current 1-Cycle (Apk)
DC60SA3	3-60	.02-3	90-280	6
DC60SA5	3-60	.02-5	90-280	10
DC60SA7	3-60	.02-7	90-280	14

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vac): 4000



Series DC60

## SERIES 1-DC 7-40 Amp • 0-500Vdc • DC Output

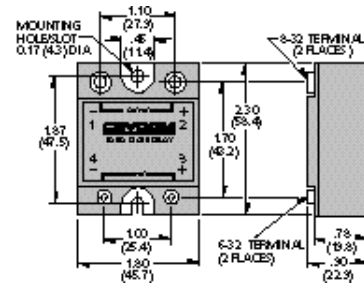
DC output relays feature MOSFET technology for low on-state resistance, assuring easy paralleling and switching capabilities to 40 amps at 100 Vdc. Lower current models are also available to 500 Vdc. All models come in Crydom's standard panel-mount package.

- MOSFET Output, Low On-State Resistance
- Paralleling Capability for Higher Currents



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
D1D07	0-100	0-7	3.5-32	15
D1D12	0-100	0-12	3.5-32	28
D1D20	0-100	0-20	3.5-32	42
D1D40	0-100	0-40	3.5-32	106
D2D07	0-200	0-7	3.5-32	22
D2D12	0-200	0-12	3.5-32	27
D4D07	0-400	0-7	3.5-32	17
D4D12	0-400	0-12	3.5-32	36
D5D07	0-500	0-7	3.5-32	19
D5D10	0-500	0-12	3.5-32	29

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vac): 2500  
\*UL Approval on 100V Models Only



Series 1-DC

## SERIES PRG 150 Amp • 120/240, 480Vac • AC Output

Featuring state-of-the-art Surface Mount Technology, this SPST-NO relay delivers proven reliability in the most demanding applications. Output consists of an SCR AC switch with internal snubber and is available in zero-cross and random turn-on (phase controllable) versions.

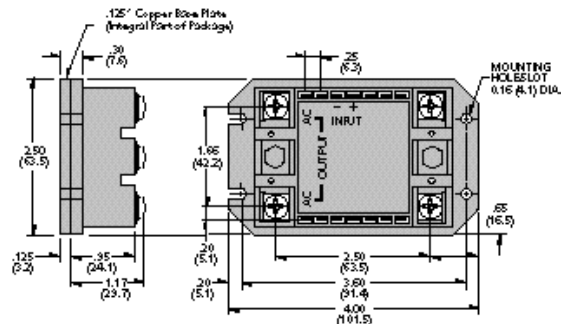
- Extra High Steady-State Current
- Zero Voltage & Random Turn-On Switching



DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
PRGD24150	24-280	.15-150	3-32	1750

AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vac)	Surge Current 1-Cycle (Apk)
PRGA24150	24-280	.15-150	90-140	1750

AVAILABLE OPTIONS: -10 Non-Zero Cross, Phase Controllable  
Operating Temp Range: -30°C to 80°C Isolation Voltage (Vac): 4000



Series PRG

7  
RELAYS

## DIN Rail Panel Mount SSRs

### SERIES CMRD/CMRA

35-65 Amp • 240, 480, 600 Vac • AC Output

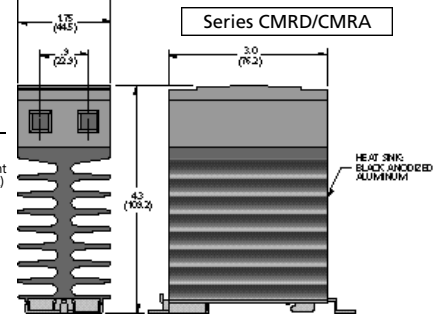
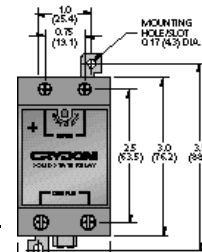
Featuring state-of-the-art Surface Mount Technology, this SPST-NO relay delivers proven reliability in the most demanding applications. Output consists of an SCR AC switch and is available in zero-cross and random turn-on versions.

- AC or DC Control with Status Indicating Display
- Zero Voltage & Random Turn-On Switching

DC/AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc/Vrms)	Surge Current 16.6ms (Apk)
CMRD/CMRA4825	48-530	0.15-35	3-32/90-140	250
CMRD/CMRA4850	48-530	0.15-45	3-32/90-140	625
CMRD/CMRA4875	48-530	0.25-55	3-32/90-140	1000
CMRD/CMRA4890	48-530	0.25-65	3-32/90-140	1200
CMRD/CMRA6025	48-660	0.15-35	3-32/90-140	250
CMRD/CMRA6050	48-660	0.15-45	3-32/90-140	625
CMRD/CMRA6075	48-660	0.25-55	3-32/90-140	1000
CMRD/CMRA6090	48-660	0.25-65	3-32/90-140	1200

DC/AC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc/Vrms)	Surge Current 16.6ms (Apk)
CMRD/CMRA4825	48-530	0.15-35	3-32/90-140	250
CMRD/CMRA4850	48-530	0.15-45	3-32/90-140	625
CMRD/CMRA4875	48-530	0.25-55	3-32/90-140	1000
CMRD/CMRA4890	48-530	0.25-65	3-32/90-140	1200
CMRD/CMRA6025	48-660	0.15-35	3-32/90-140	250
CMRD/CMRA6050	48-660	0.15-45	3-32/90-140	625
CMRD/CMRA6075	48-660	0.25-55	3-32/90-140	1000
CMRD/CMRA6090	48-660	0.25-65	3-32/90-140	1200

AVAILABLE OPTIONS:  
-10 Random Turn-On, Phase Controllable  
Operating Temp Range: -30°C to 80°C Isolation Voltage (Vac): 4000



### SERIES HPF

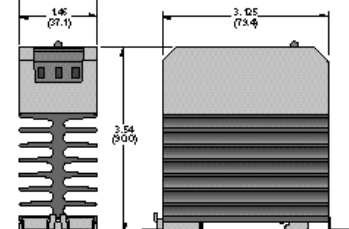
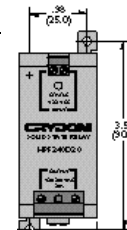
20, 30 Amp • 120/240, 480Vac • AC Output

The Series HPF Solid State Relays utilize Crydom's proprietary thermal management technology providing a compact and efficient design. Built-in DIN Rail attachment, easy-to-use cage type terminals and integral heat sinking complete the package. This compact new design offers up to 30Arms in ambient temperatures of 25°C.

- DIN Rail Mount, Integral Heat Sink
- Zero Voltage & Random Turn-On Switching

DC CONTROL Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
HPF240D20	12-280	.15-20	4-32	250
HPF240D30	12-280	.15-30	4-32	625
HPF240D20R*	12-280	.15-20	4-32	250
HPF240D30R*	12-280	.15-30	4-32	625
HPF480D20	12-480	.15-20	5-32	250
HPF480D30	12-480	.15-30	5-32	625
HPF480D20R*	12-480	.15-20	5-32	250
HPF480D30R*	12-480	.15-30	5-32	625

AVAILABLE OPTIONS:  
\* R Random Turn-On Version S Internal Snubber  
Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 4000



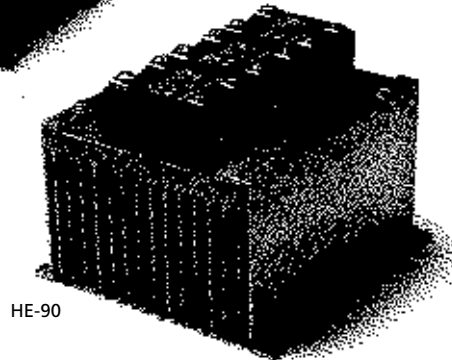
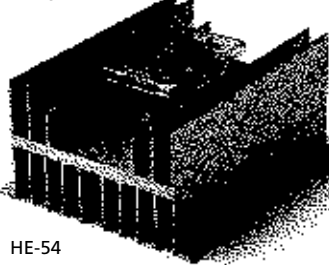
## Panel Mount SSR Accessories

### Heat Sinks

For Panel Mount SSRs

Type	Usage Rating (Max.)	Deg°C/W @ Max. Curr.	HxWxD (inches)
HS-1	10A	2.7	1.6 x 3.36 x 2.06
HS-2	25A	1.7	1.6 x 3.36 x 4.12
HE-54	50A	0.67	2.62 x 4.75 x 5.5
HE-90*	90A	0.43	3.5 x 6.0 x 6.0

\*HE-90 is suitable for up to three Series 1 type SSRs, or one Series 53TP, 3-Phase SSR.



### SSR Protective Covers

For Panel Mount SSRs

- Type  
KS100 - Cover for Series 1 Type SSR package  
KS300 - Cover for Series 53TP, Three-Phase SSR package

# Auxiliary Function Modules

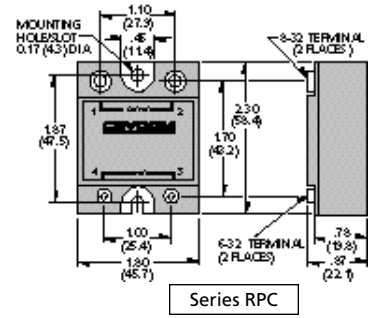
## SERIES RPC (SOLID STATE PROPORTIONAL CONTROLLER) 15-40 Amp • 120/240, 480Vac • AC Output

The RPC series proportional controllers provide a cost effective method of controlling power in many applications such as heaters or incandescent lamps. A customer provided potentiometer is all that is required for control.

- Standard Package, Protective Cover Included
- Uses Potentiometer for Economical Power Control

Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Off-State Leakage (mA)	Surge Current 1-Cycle (Apk)
RPC1215	90-130	.07-15	10	150
RPC1225	90-130	.08-25	10	250
RPC1240	90-130	.09-40	10	625
RPC2415	200-240	.07-15	7	150
RPC2425	200-240	.08-25	7	250
RPC2440	200-240	.09-40	7	625
RPC4815	400-480	.07-15	3	150
RPC4825	400-480	.08-25	3	250
RPC4840	400-480	.09-40	3	625

Operating Temp Range: -30°C to 80°C  
Isolation Voltage (Vrms): 2500 (load to base plate only)  
**WARNING:** Control to load is not isolated, exercise care in handling this product to avoid the risk of electric shock.



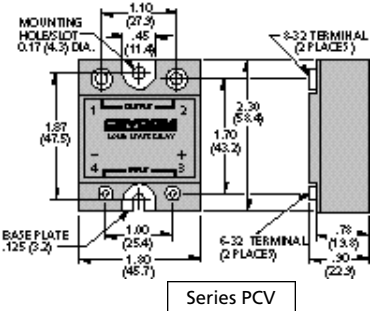
## SERIES PCV (ANALOG INPUT POWER CONTROLLER) 15-90 Amp • 120/240, 480Vac • AC Output

The PCV Series proportional controllers are self contained power control modules integrating a complete phase fired logic control system and a solid state relay in the same standard package. Typical applications include heaters, vibratory feeders and tungsten lamps.

- 0-100% Control Range, Operates at 60 & 50Hz
- Internal Snubber, Industry Standard Package

Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Voltage Range (Vdc)	Surge Current 1-Cycle (Apk)
10PCV2415	100-240	.15-15	2-10	150
10PCV2425	100-240	.15-25	2-10	250
10PCV2450	100-240	.15-50	2-10	625
10PCV2475	100-240	.15-75	2-10	1000
10PCV2490	100-240	.15-90	2-10	1200

Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 2500



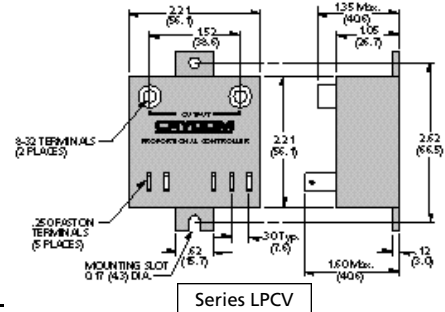
## SERIES LPCV (LINEAR PROPORTIONAL LOAD CONTROLLER) 15-110 Amp • 120/240, 480Vac • AC Output

The LPCV linear proportional controllers control loads up to 110 amps. Changes in the input signal linearly vary the firing angle of the thyristor load control device. Control circuitry and power switch are in a single package.

- Back-to-Back SCR Output
- Precise Proportional Load Controller

Type	Line Voltage Range (Vac)	Load Current Range (Arms)	Control Range	Surge Current 1-Cycle (Apk)
5LPCV2415	20-300	.10-15	0-5 Vdc	150
5LPCV2425	20-300	.10-25	0-5 Vdc	250
5LPCV2440	20-300	.10-40	0-5 Vdc	625
5LPCV2475	20-300	.15-75	0-5 Vdc	1000
5LPCV24110	20-300	.20-110	0-5 Vdc	1500
10LPCV2415	20-300	.10-15	0-10 Vdc	150
10LPCV2425	20-300	.10-25	0-10 Vdc	250
10LPCV2440	20-300	.10-40	0-10 Vdc	625
10LPCV2475	20-300	.15-75	0-10 Vdc	1000
10LPCV24110	20-300	.20-110	0-10 Vdc	1500
20LPCV2415	20-300	.10-15	4-20 mA	150
20LPCV2425	20-300	.10-25	4-20 mA	250
20LPCV2440	20-300	.10-40	4-20 mA	625
20LPCV2475	20-300	.15-75	4-20 mA	1000
20LPCV24110	20-300	.20-110	4-20 mA	1500

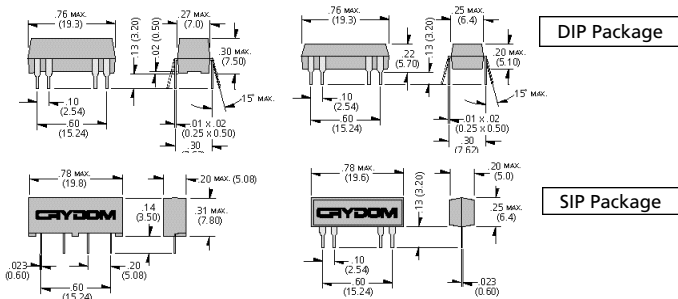
Operating Temp Range: -30°C to 80°C Isolation Voltage (Vrms): 2500



## REED Relays SIP and DIP Packages

Crydom's SIP and DIP Reed relays provide a comprehensive range of products developed for high density PCB applications. Epoxy molded for complete resistance to automatic wave soldering, harsh cleaning fluids and severe industrial conditions. These relays are available with (D suffix) or without (L suffix) an internally fitted coil suppression diode.

- Epoxy Molder Package & Pin Configurations
- Optional Coil Suppression Diode



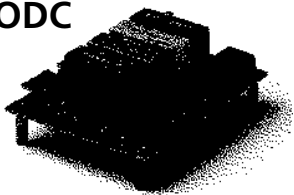
Type	Arrangement	Contact Ratings	Vdc	Ohms
D05-1A01-01L			5	500
D12-1A01-01L	14 Pin Dip		12	1000
D24-1A01-01L	1 Form A	10W, 200Vdc, 0.5A	24	2000
D05-1A01-01D	SPST-NO	250Vdc Holdoff	5	500
D12-1A01-01D			12	1000
D05-1B01-03L	14 Pin Dip		5	500
D12-1B01-03L	1 Form B	10W, 200Vdc, 0.5A	12	1000
D05-1B01-03D	SPST-NC	250Vdc Holdoff	5	500
D05-2A01-04L	14 Pin Dip		5	200
D12-2A01-04L	2 Form A	10W, 200Vdc, 0.5A	12	500
D05-2A01-04D	DPST-NO	250Vdc Holdoff	5	200
D05-1C20-05L	14 Pin Dip		5	200
D12-1C20-05L	1 Form C	3W, 175Vdc, 0.25A	12	500
D05-1C20-05D	SPDT-CO	200Vdc Holdoff	5	200
S05-1A02-01L			5	500
S12-1A02-01L	SIP		12	1000
S24-1A02-01L	1 Form A	15W, 200Vdc, 1A	24	2000
S05-1A02-01D	SPST-NO	250Vdc Holdoff	5	500
S12-1A02-01D			12	1000
S05-1A05-02L	SIP - 1 Form A	10W, 500Vdc, 0.5A	5	500
	SPST-NO	1500Vdc Holdoff		



**SERIES IAC, IDC, OAC, ODC**

**SOLID STATE OPTO-ISOLATED MODULES**

Crydom I/O modules deliver 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.



**5Vdc, 15Vdc, 24Vdc System Voltages**

5 Vdc Models				
Type	Voltage Type	Output Load Current Over Load Voltage	Input Voltage Range	Input Max. Load Current (mA)
IAC-5	AC, DC In	.1-100mA@.4-30Vdc	90-140Vac	10
IAC-5A	AC, DC In	.1-100mA@.4-30Vdc	180-280Vac	7
IDC-5	DC In	.1-100mA@.4-30Vdc	10-36Vdc	13
IDC-5B	DC In	.1-100mA@.4-30Vdc	4-16Vdc	20
IAC-5D	DC In	.1-100mA@.4-30Vdc	3-32Vdc	12
OAC-5A	AC Out	.02-3A@12-280Vac	3-6Vdc	20
OAC-5A	AC Out	.02-3A@12-280Vac	3-6Vdc	20
OAC-5A	DC Out	.02-3A@5-60Vdc	3-6Vdc	14
OAC-5A	DC Out	.02-1A@10-200Vdc	3-6Vdc	14

15 Vdc Models				
Type	Voltage Type	Output Load Current Over Load Voltage	Input Voltage Range	Input Max. Load Current (mA)
IAC-15	AC, DC In	.1-100mA@.4-30Vdc	90-140Vac	--
IAC-15A	AC, DC In	.1-100mA@.4-30Vdc	180-280Vac	--
IDC-15	DC In	.1-100mA@.4-30Vdc	10-36Vdc	--
ODC-5B	AC Out	.02-3A@12-280Vac	9-18Vdc	--
OAC-15A	AC Out	.02-3A@12-280Vac	9-18Vdc	--
ODC-15	DC Out	.02-3A@5-60Vdc	9-18Vdc	--
ODC-15A	DC Out	.02-1A@10-200Vdc	9-18Vdc	--

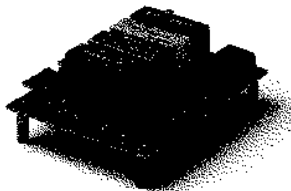
24 Vdc Models				
Type	Voltage Type	Output Load Current Over Load Voltage	Input Voltage Range	Input Max. Load Current (mA)
IAC-24	AC, DC In	.1-100mA@.4-30Vdc	90-140Vac	10
IDC-24	DC In	.1-100mA@.4-30Vdc	10-36Vdc	13
OAC-24	AC Out	.02-3A@12-280Vac	18-28Vdc	17
OAC-24A	AC Out	.02-3A@12-280Vac	18-28Vdc	17
ODC-24	DC Out	.02-3A@5-60Vdc	18-28Vdc	12
ODC-24	DC Out	.02-1A@10-200Vdc	18-28Vdc	12

Operating Temp Range: -40°C to 80°C      Isolation Voltage (Vrms): 4000

**SERIES 6**

**AC & DC MICROPROCESSOR I/O MODULES**

Series 6 buffered output modules contain additional internal amplification to reduce drive requirements to a level suitable for the Mos devices used in many microprocessor systems. Models are available with either inverting or non-inverting inputs, for 5 and 15 volt logic.



**5V & 15V Logic**

- ▶ Inverting & Non-Inverting Inputs
- ▶ Printed Circuit Board Mounting

**Standard I/O Modules (5 Volt Models)**

Type	Voltage Type	Input Current vs. Voltage	Max. Load Voltage	Max. Load Current
6101A*	DC In	7mA@32Vdc	30Vdc	25mA@80°C
6201A*	AC In	6mA@120Vac	30Vdc	25mA@80°C
6202A*	AC In	6mA@240Vac	30Vdc	25mA@80°C
6301A*	DC Out	15mA@5Vdc	60Vdc	3Adc@45°C
6401A*	AC Out	15mA@5Vdc	140Vac	3A RMS@45°C
6402A*	AC Out	15mA@5Vdc	280Vac	3A RMS@45°C
6102	DC In	6mA@180Vdc	30Vdc	25mA@80°C
6200	AC In	6mA@24Vdc	30Vdc	25mA@80°C
6302	DC Out	12mA@5Vdc	200Vdc	1.5A@45°C

\*In Compliance with NEMA 2-230 (Noise Immunity).

**Buffered Output Modules (5 Volt Models)**

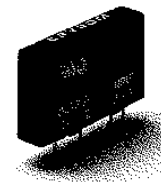
Type	Voltage Type	Input Current vs. Voltage	Max. Load Voltage	Max. Load Current
6311	DC Out	75µA@0.8Vdc	60Vdc	3.5Adc@45°C
6321	DC Out	75µA@2.4Vdc	60Vdc	3.5Adc@45°C
6411	AC Out	75µA@0.8Vdc	140Vac	3.5A RMS@45°C
6412	AC Out	75µA@0.8Vdc	280Vac	3.5A RMS@45°C
6421	AC Out	75µA@2.4Vdc	140Vac	3.5A RMS@45°C
6422	AC Out	75µA@2.4Vdc	280Vac	3.5A RMS@45°C

Operating Temp Range: -40°C to 80°C      Isolation Voltage (Vrms): 4000

**SERIES MIAC, MIDC, MOAC, MODC**

**MINI-PACK SOLID STATE OPTO-ISOLATED MODULES**

The same excellent Crydom I/O module performance that delivers electrically clean, photo-isolated, noise-free "output" interface in a compact MINI-PACK. Designed for long, reliable service in demanding industrial environments.



**5Vdc, 15Vdc, 24Vdc System Voltages**

5 Vdc Models				
Type	Voltage Type	Output Load Current Over Load Voltage	Input Voltage Range	Input Max. Load Current (mA)
MIAC-5	AC, DC In	.1-100mA@.4-30Vdc	90-140Vac	10
MIAC-5A	AC, DC In	.1-100mA@.4-30Vdc	180-280Vac	7
MIDC-5	DC In	.1-100mA@.4-30Vdc	10-36Vdc	13
MIDC-5B	DC In	.1-100mA@.4-30Vdc	4-16Vdc	20
MIAC-5D	DC In	.1-100mA@.4-30Vdc	3-32Vdc	12
MOAC-5A	AC Out	.02-3A@12-280Vac	3-6Vdc	20
MOAC-5A	AC Out	.02-3A@12-280Vac	3-6Vdc	20
MOAC-5A	DC Out	.02-3A@5-60Vdc	3-6Vdc	14
MOAC-5A	DC Out	.02-1A@10-200Vdc	3-6Vdc	14

15 Vdc Models				
Type	Voltage Type	Output Load Current Over Load Voltage	Input Voltage Range	Input Max. Load Current (mA)
MIAC-15	AC, DC In	.1-100mA@.4-30Vdc	90-140Vac	--
MIAC-15A	AC, DC In	.1-100mA@.4-30Vdc	180-280Vac	--
MIDC-15	DC In	.1-100mA@.4-30Vdc	10-36Vdc	--
MODC-5B	AC Out	.02-3A@12-280Vac	9-18Vdc	--
MOAC-15A	AC Out	.02-3A@12-280Vac	9-18Vdc	--
MODC-15	DC Out	.02-3A@5-60Vdc	9-18Vdc	--
MODC-15A	DC Out	.02-1A@10-200Vdc	9-18Vdc	--

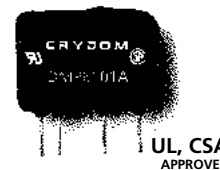
24 Vdc Models				
Type	Voltage Type	Output Load Current Over Load Voltage	Input Voltage Range	Input Max. Load Current (mA)
MIAC-24	AC, DC In	.1-100mA@.4-30Vdc	90-140Vac	10
MIDC-24	DC In	.1-100mA@.4-30Vdc	10-36Vdc	13
MOAC-24	AC Out	.02-3A@12-280Vac	18-28Vdc	17
MOAC-24A	AC Out	.02-3A@12-280Vac	18-28Vdc	17
MODC-24	DC Out	.02-3A@5-60Vdc	18-28Vdc	12
MODC-24	DC Out	.02-1A@10-200Vdc	18-28Vdc	12

Operating Temp Range: -40°C to 80°C      Isolation Voltage (Vrms): 4000

**SERIES DMP**

**AC & DC MICROPROCESSOR I/O MODULES**

Electrically identical to Crydom I/O modules, these AC and DC I/O modules are packaged in a hard, skin-tight epoxy conformal coating for excellent environmental protection and heat transfer. Pin-out matches Series 6.



UL, CSA APPROVED

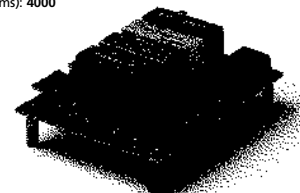
▶ Epoxy Conformal Coated

Type	Voltage Type	Input Current vs. Voltage	Max. Load Voltage	Max. Load Current
DMP6101A	DC In	7mA@32Vdc	30Vdc	25mA@80°C
DMP6201A	AC In	6mA@120Vac	30Vdc	25mA@80°C
DMP6202A	AC In	6mA@240Vac	30Vdc	25mA@80°C
DMP6301A	DC Out	15mA@5Vdc	60Vdc	3Adc@45°C
DMP6402A	AC Out	15mA@5Vdc	280Vac	3A RMS@45°C

Operating Temp Range: -40°C to 80°C      Isolation Voltage (Vrms): 4000

**SERIES PB**

Crydom mounting boards accept standard I/O modules in any combination of input or output types. Modules are easily and quickly inserted without disturbing field wiring. Features include; LED status indicator, plug-in 5Amp fuse and 3.3K Ohm pull-up resistor for each module.



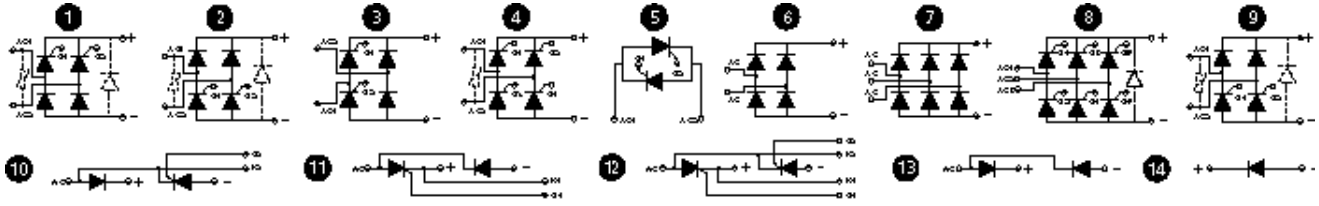
Type	Module Positions I/O Channels	Connection Type
PB-4 (MS-4)	4	Screw Terminal
PB-4H (MS-4H)	4	26, 50 Pin Card Edge
PB-4R*	4	Screw Terminal
PB-8 (MS-8H)	8	26, 50 Pin Card Edge
PB-16A (MS-16H)	16	50 Pin Card Edge
PB-16T	16	Screw Terminal
PB-24 (MS-24H)	24	50 Pin Card Edge

# Power Modules

Crydom is your single source for all your SCR/diode power module needs. Choose from a wide selection of ready-to-use circuit configurations, in virtually any package size and power rating. And when you want something special, Crydom can produce custom circuitry to your exacting specifications.

Top quality and dependability are assured in Crydom's ISO 9002 certified manufacturing facilities.

# 7 RELAYS



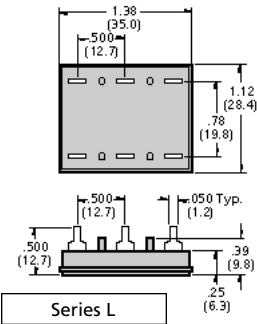
## SERIES L 15-42.5 Amp • SCR/Diode Module

- Low Profile
- Designed for PCB Connections



PCB MOUNT Type	Current (Amps)	Circuit Fig. No.	AC Line Input Voltage (Vac)	Repetitive Peak Rev. Voltage ( $V_{RRM}$ )	Max. Non-Repetitive Surge Current ( $I_{TSM}$ )
L312F	15	1	240	600	225
L512F	25	1	240	600	300
L514F	25	1	480	800	300
L522F	25	2	240	600	300
L542	25	4	240	600	300
L612F	42.5	1	240	600	600
L622F	42.5	2	240	600	600
L652	42.5	5	240	600	600

Operating Temp Range: -30°C to 80°C      Isolation Voltage (Vac): 2500



Series L

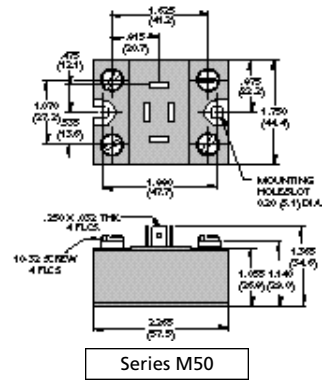
## SERIES M50 50-100 Amp • SCR/Diode Module

- Over 40KW Output Capability



PANEL MOUNT Type	Current (Amps)	Circuit Fig. No.	AC Line Input Voltage (Vac)	Repetitive Peak Rev. Voltage ( $V_{RRM}$ )	Max. Non-Repetitive Surge Current ( $I_{TSM}$ )
M5010045V*	100	5	480	1200	1500
M50100SB1200	100	6	480	1200	1500
M50100SB600	100	6	240	600	1500
M50100TB1200	100	7	480	1200	1500
M50100TB600	100	7	240	600	1500
M505012F	50	1	240	600	600
M505012FV*	50	1	240	600	600
M505015F	50	1	480	1200	600
M505015FV*	50	1	480	1200	600
M505032	50	4	240	600	600
M505035	50	4	480	1200	600
M505042	50	5	240	600	600
M505045	50	5	480	1200	600
M5060SB1200	60	6	480	1200	800
M5060SB600	60	6	240	600	800
M5060TB1200	60	7	480	1200	800
M5060TB600	60	7	240	600	800
M508012F	80	1	240	600	1500

\* V = external suppressor      Operating Temp Range: -30°C to 80°C      Isolation Voltage (Vac): 2500



Series M50

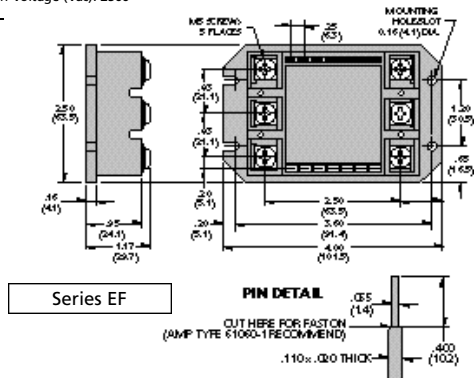
## SERIES EF 50-170 Amp • SCR/Diode Module

- ▶ High Thermal Efficiency
- ▶ Complete Power Control Circuits in a Single Package



PANEL MOUNT Type	Current (Amps)	Circuit Fig. No.	AC Line Input Voltage (Vac)	Repetitive Peak Rev. Voltage ( $V_{RRM}$ )	Max. Non-Repetitive Surge Current ( $I_{TSM}$ )
EFD01FF	50	1	480	1200	400
EFE01FF	75	1	480	1200	600
EFE13C	75	6	240	600	600
EFE15C	100	7	240	600	600
EFE15F	100	7	480	1200	600
EFE16F	100	8	480	1200	600
EFF01FF	100	1	480	1200	1500
EFG13C	125	6	240	600	1950
EFG15C	170	7	240	600	1950
EFG15F	170	7	480	1200	1950

Operating Temp Range: -30°C to 80°C      Isolation Voltage (Vac): 2500



Series EF

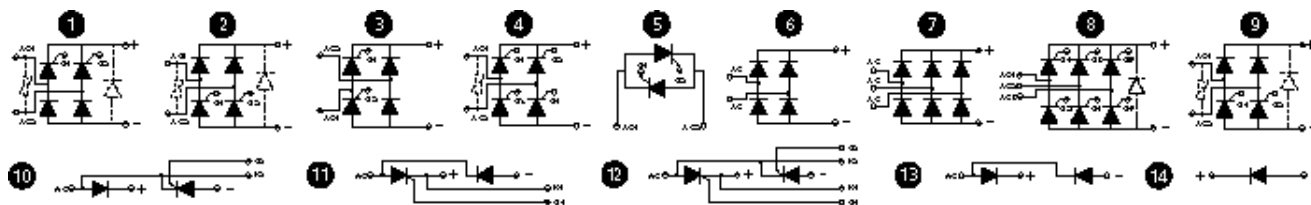
PIN DETAIL

CUT HERE FOR FASTON (AMP TYPE #1060-1 RECOMMEND)  
.110x.020 THICK

# Power Modules

Crydom is your single source for all your SCR/diode power module needs. Choose from a wide selection of ready-to-use circuit configurations, in virtually any package size and power rating. And when you want something special, Crydom can produce custom circuitry to your exacting specifications.

Top quality and dependability are assured in Crydom's ISO 9002 certified manufacturing facilities.



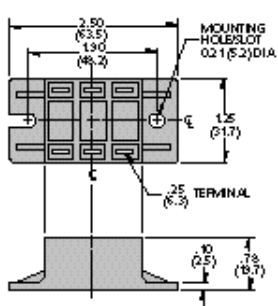
## SERIES B48-2T, B48-2, B-2T, B-2 25-42.5 Amp • SCR/Diode Module

- Single and Three Phase Circuits
- Up to 1600 Volt Blocking Standard

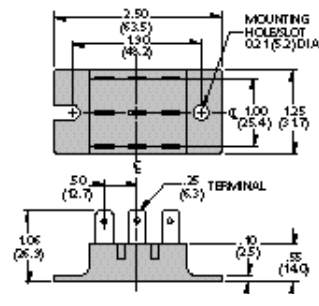


PANEL MOUNT Type	Current (Amps)	Circuit Fig. No.	AC Line Input Voltage (Vac)	Repetitive Peak Rev. Voltage ( $V_{RRM}$ )	Max. Non-Repetitive Surge Current ( $I_{TSM}$ )
B483C-2	35	6	240	600	600
B483F-2	35	6	480	1200	600
B485C-2	35	7	240	600	600
B485F-2	35	7	480	1200	600
B512F-2	25	1	240	600	300
B512F-2T	25	1	240	600	300
B512FSE-2T	25	1	240	600	300
B514F-2T	25	1	480	1200	300
B514FSE-2T	25	1	480	1200	300
B522F-2T	25	2	240	600	300
B522FSE-2	25	2	240	600	300
B522FSE-2T	25	2	240	600	300
B532-2T	25	3	240	600	300
B542-2T	25	4	240	600	300
B552-2T	25	5	240	600	300
B554-2T	25	5	480	1200	300
B612F-2T	42.5	1	240	600	600
B622F-2T	42.5	2	240	600	600
B652-2T	42.5	5	240	600	600

S = internal suppressor    Operating Temp Range: -30°C to 80°C    Isolation Voltage (Vac): 2500



Series B48-2, B-2



Series B48-2T, B-2T

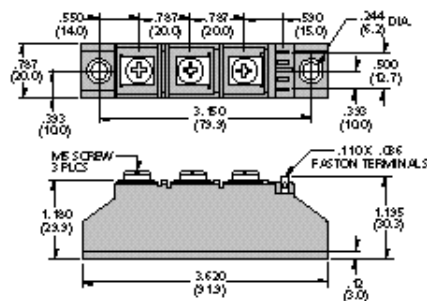
## SERIES F18 25-90 Amp • SCR/Diode Module

- Industry Standard Package and Circuits
- Power Control Building Blocks



PANEL MOUNT Type	Current (Amps)	Circuit Fig. No.	AC Line Input Voltage (Vac)	Repetitive Peak Rev. Voltage ( $V_{RRM}$ )	Max. Non-Repetitive Surge Current ( $I_{TSM}$ )
F1842SD600	40	12	240	600	1000
F1842SD1200	40	12	480	1200	1000
F1857D1200	55	14	480	1200	1500
F1857DH1200	55	10	480	1200	1500
F1857DH600	55	10	240	600	1500
F1857HD1200	55	11	480	1200	1500
F1857HD600	55	11	240	600	1500
F1857RD1200	55	13	480	1200	1500
F1857RD600	55	13	240	600	1500
F1857SD1200	55	12	480	1200	1500
F1857SD600	55	12	240	600	1500
F1892D1200	90	14	480	1200	1950
F1892D600	90	14	240	600	1950
F1892DH1200	90	10	480	1200	1950
F1892DH600	90	10	240	600	1950
F1892HD1200	90	11	480	1200	1950
F1892HD600	90	11	240	600	1950
F1892RD1200	90	13	480	1200	1950
F1892RD600	90	13	240	600	1950
F1892SD1200	90	12	480	1200	1950
F1892SD600	90	12	240	600	1950

Operating Temp Range: -30°C to 80°C    Isolation Voltage (Vac): 2500



Series F18