

Model

Nep

Features

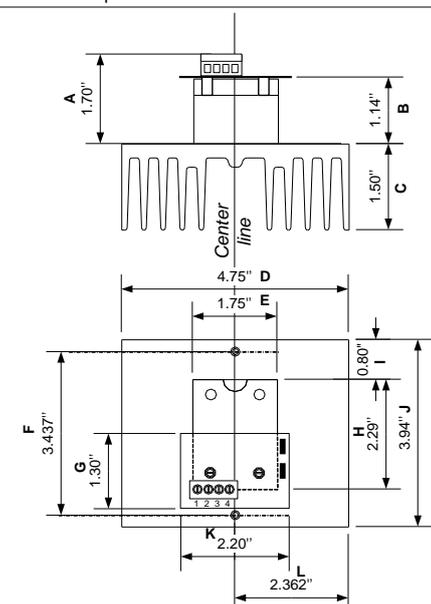
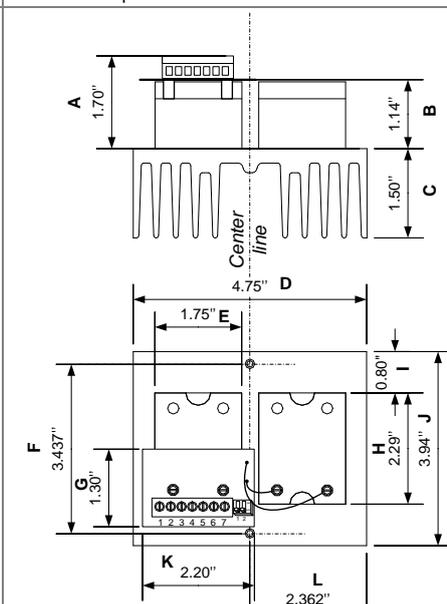
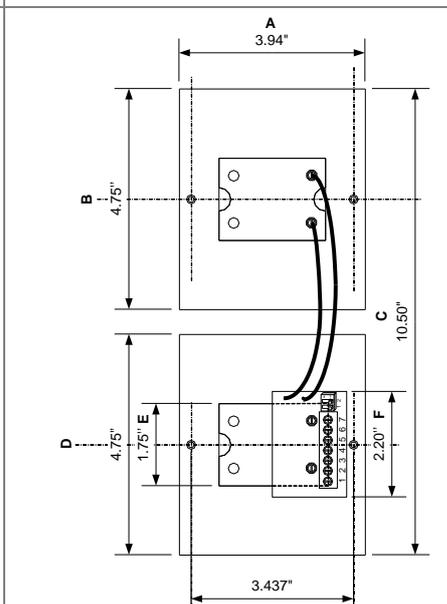
- Microprocessor based programmable device
- Factory installed heat sink available
- UL & CSA approved and CE certified
- LED display
 - Pulse status
 - Servicing and troubleshooting
- Selectable 1 phase or 3 phase applications
- Selectable digital or analog signals
- Available up to 4 stages in digital mode



Technical Specifications

Description	EHS45-600-10	EHS22-600-30	EHS45-600-30
Number of Phases	1 phase (1 SSR - 1 heat sink)	3 phases (2 SSR - 1 heat sink)	3 phases (2 SSR - 2 heat sink)
Maximum Amperage	45 amps	22.5 amps	45 amps
Maximum Power Voltage	600 Volts		
Control Voltage	22 to 26 Vac 50/60 Hz		
Power Consumption	2 VA		
Input	0 - 10 Vdc, 2-10 Vdc, 0-20 mA, 4-20 mA, pulse AC & DC or 1 to 4 stages		
Operating Temperature	0°C to 80°C [32°F to 176°F]		
Relative Humidity	5 to 95 % non condensing		
Switching	Zero voltage cross firing		

Dimensions

EHS45-600-10	EHS22-600-30	EHS45-600-30
A = 1.70" 43mm B = 1.14" 30mm C = 1.50" 38mm D = 4.75" 121mm E = 1.75" 44mm F = 3.437" 87mm G = 1.30" 33mm H = 2.29" 58mm I = 0.80" 20mm J = 3.94" 100mm K = 2.20" 55mm L = 2.362" 60mm	A = 1.70" 43mm B = 1.14" 30mm C = 1.50" 38mm D = 4.75" 121mm E = 1.75" 44mm F = 3.437" 87mm G = 1.30" 33mm H = 2.29" 58mm I = 0.80" 20mm J = 3.94" 100mm K = 2.20" 55mm L = 2.362" 60mm	A = 3.94" 100mm B = 4.75" 121mm C = 10.50" 266mm D = 4.75" 121mm E = 1.75" 44mm F = 2.20" 55mm G = 3.437" 87mm
		

Recommended attachment screws for heat sink on 0.05" thickness metal plate: 10-32 x 1/4", Pan Phil, machine screw, (quantity 2 per heat sink)



Warning: Do not cover heat sink with any material or paint.



For proper heat dissipation, ensure a minimum clearance of 6" (15 cm) above the heat sink and 2" (5 cm) below and on both sides of the heat sink.

Wiring

We strongly recommend that all Neptronic products be wired to a separate grounded transformer and that transformer shall service only Neptronic products. This precaution will prevent interference with, and/or possible damage to incompatible equipment.

Terminal Description - Digital Signal

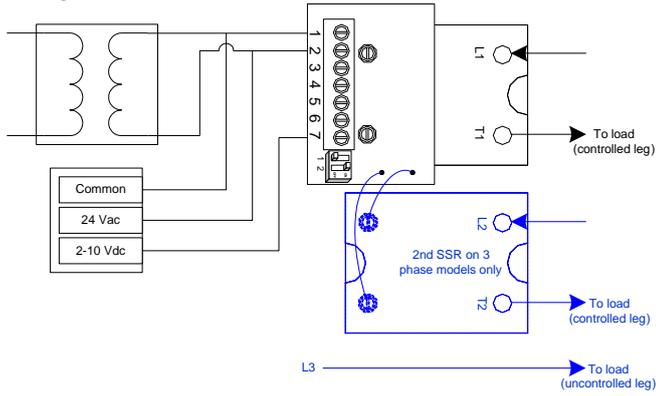
Terminal Description		Signal
1	Common	Digital Stage 1 or TPM (minimum period 1 sec.)
2	24 Vac	
6	100%	
1	Common	Digital Stage 2
2	24 Vac	
4	50%	
6	100%	
1	Common	Digital Stage 3
2	24 Vac	
3	25%	
4	50%	
6	100%	
1	Common	Digital Stage 4
2	24 Vac	
3	25%	
4	50%	
5	75%	
6	100%	

Terminal Description - Analog Signal

Analog 0-10 Vdc

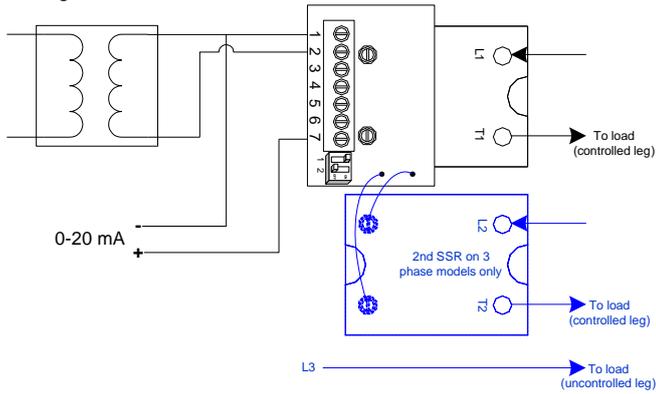
Terminal	Description	Signal
1	Common	Analog 0-10 Vdc
2	24 Vac	
7	Modulating Signal	

Analog 2-10 Vdc



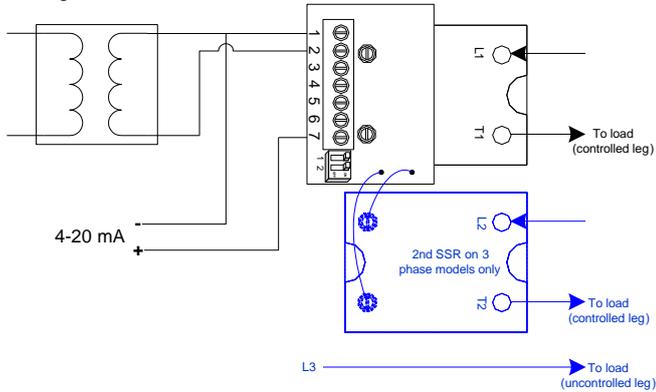
Terminal	Description	Signal
1	Common	Analog 2-10 Vdc
2	24 Vac	
7	Modulating Signal	

Analog 0-20 mA



Terminal	Description	Signal
1	Common	Analog 0-20 mA
2	24 Vac	
7	Modulating Signal	

Analog 4-20 mA



Terminal	Description	Signal
1	Common	Analog 4-20 mA
2	24 Vac	
7	Modulating Signal	

DS1 - DIP Switch Configuration

Signal	DIP SWITCHES	
	1	2
Analog 0-10 Vdc	OFF	OFF
Analog 2-10 Vdc	OFF	ON
Analog 0-20 mA	ON	OFF
Analog 4-20 mA	ON	ON

