

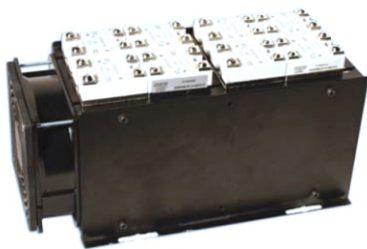
ZPAC Solid State Relay

- ☑ Simple, Compact Design
- ☑ Fast Switching Capabilities
- ☑ Touch-safe Connections
- ☑ Rated for up to 600 Volts

Zesta's ZPAC is a solid state relay power controller assembly. It is an electronic switching device that switches power (current) to a load circuit when an external DC or AC control signal is applied across its terminals.

The ZPAC is an economical, general-purpose switching device primarily used in heating applications. Its simple design allows for easy installation and setup. The ZPAC is capable of fast switching, which allows for better heater control, resulting in improved process control and prolonged heater life.

The ZPAC is available from stock in single-phase and three-phase (two-leg) configurations. Custom ZPAC SSR assemblies are also available. Contact your Zesta technical sales representative for more information.



Available From
Stock

FEATURES:

- Long life
- Quiet operation
- Low power consumption
- Shock and vibration resistant
- High compatibility with control systems
- Fast switching
- Can switch up to 600 VAC
- LED Command signal indication light
- Touch-safe terminals
- Back panel and DIN rail mount versions

APPLICATIONS:

- Plastic processing
- Heat treating
- Ovens / furnaces
- Food processing equipment
- Most heater control applications

Custom ZPAC SSR Assemblies are Also Available

ZPAC Solid State Relay

ORDERING INFORMATION

To order, complete the code number with the information below:

SPECIFICATIONS

Solid State Relay Control

- Single phase, single SSR
- Three phase, two leg control for three wire (non-grounded load) dual SSR
- Resistive loads
- Inductive loads (AT input only)

Input Options

AC Input

- 90-280 VAC. Drop out voltage 10V(rms)

DC Input

- 4-32 VDC. Drop out voltage 1 VDC

MA Input

- Burst firing (zero cross) control card.
- Input 4-20 mA only.
- Bias and Gain adjustable.
- Input impedance 500 ohms minimum.

BT Input

- Burst Firing (zero cross) control card
- Manual control (percent power) 1- phase only.
- Input factory set for 4-20 mA.
- Bias and Gain adjustable, 0-12 VDC/0-25 mA.
- Input impedance 300 W (clip R-2 for 5 kW, voltage input).

AT Input

- Phase angle control card
- Manual control (percent power) 1-phase only,
- Input factory set for 4-20 mA.
- Bias and Gain adjustable, 0-12 VDC/0-25 mA.
- Input impedance 300 W (clip R-2 for 5 kW, voltage input).
- Soft start ten seconds (approx),
- 120-600 VAC to 24 VAC power transformer included
- Model dependent for AT and BT options.

Output

- 120 VAC through 600 VAC
- 10 - 70 Amps

Operating Ambient

- Temperature: -20° to 40°C

Line Frequency Range

- 47 to 80 Hz

Notes:

- ZPAC-600-40-DC-001, ZPAC -600-25-DC-002 and ZPAC-600-25-DC-DIN are stocked for same day shipment. All stock units have a voltage range of 120 to 600 VAC. All other items contact factory for delivery.
- Three phase, two leg control used with burst fired (MA) or AC, DC inputs only.
- Manual control kit (part#08-5362) is to be used with AT or BT input option (Percent Power) single phase only.



Voltage: _____
 240 = 42 to 265 V(ac)
 480 = 42 to 530 V(ac)
 600 = 42 to 660 V(ac)

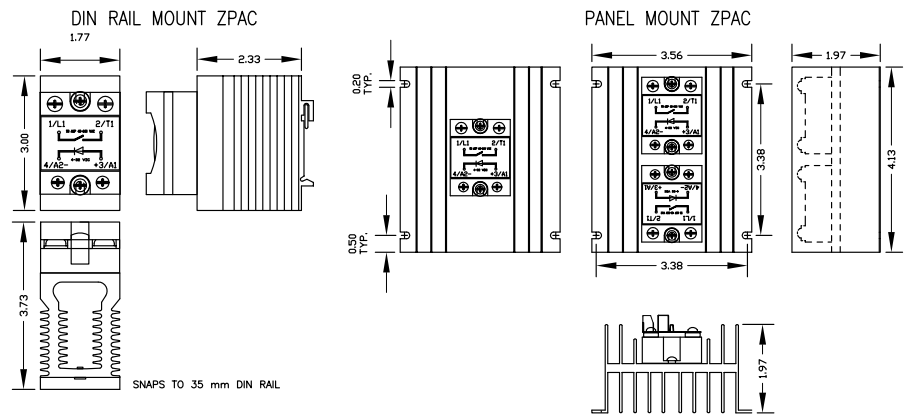
Rated Operational Current @ 25° C: _____
 25 = 25 amps
 40 = 40 amps (single phase)
 70 = 70 amps (single phase)

Control Signal Input (Switching Mode): _____

Zero cross Turn-On ZPACs (resistive load only)
 AC = 90-280 V(ac) pulsed
 DC = 4-32 V(dc) pulsed
 MA = 4-20 mA burst-fired
 BT = Burst fired, percent power or process input (resistive loads) 1-phase only

Proportional Control ZPACs
 AT = Phase angle, percent power or process input 1-phase only

Phase: _____
 001 = Single phase
 002 = 3-phase (2-leg)
 DIN = Single phase, DIN rail mount



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