



Kinetek Controls®

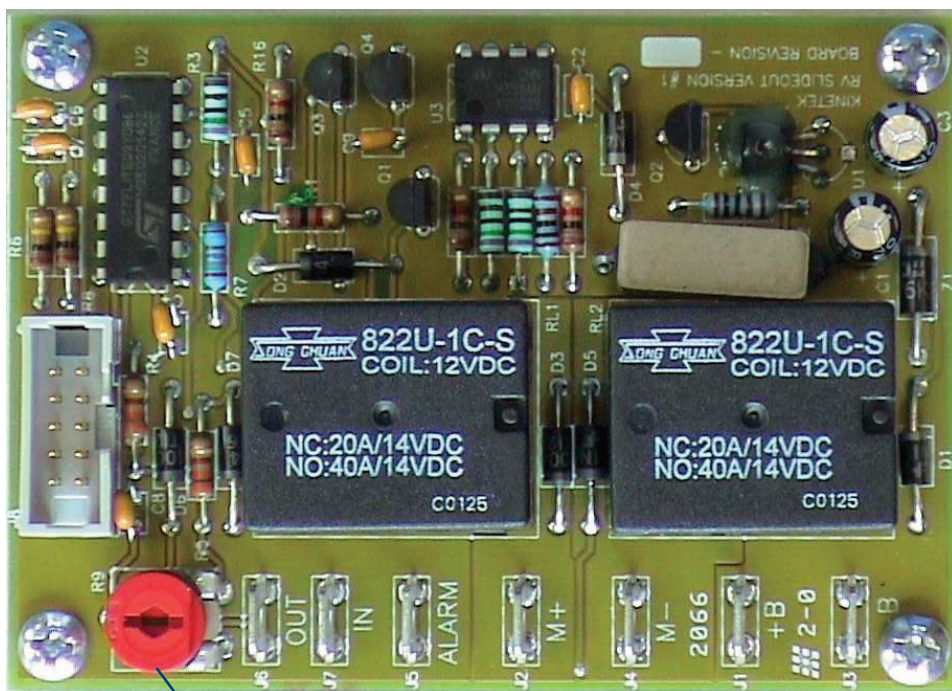
A Kinetek Company®

KCCA0005 RV Motor Controller

The **Kinetek KCCA0005 RV Motor Controller** accurately controls and protects your recreational vehicle slide-out motor. Designed specifically for 12-volt, RV systems, this compact, single board controller protects the slide-out motor from extended overcurrent conditions — uncontrolled overcurrent that would otherwise quickly destroy an unprotected motor.

The simple, inexpensive KCCA0005 handles peak currents up to 55 Amps. A simple potentiometer, adjusted using a small screwdriver, provides set point adjustment anywhere within the 0 to 55 Amp range. The factory-programmed set point timer stops the motor and allows it to cool if motor current draw remains at the set point for too long a time. The set point timer standard duration is 0.25 seconds but it can be otherwise set to meet customer requirements.

Compact size and easy-connect, blade terminals (Faston style) make the KCCA0005 very easy and quick to install and connect. Solid-state design provides durability, dependability, and accurate performance over time. The unit enclosure protects the circuitry from dust and moisture. (Cover not shown in picture below.)



1/4" (6.35 mm), easy-connect blade terminals

Current Set Point

Specifications

- Input voltage: 7.5 - 18 Volts DC
- Peak measurable current: 55 Amps
- Current set point range: 0 - 55 Amps
- Current set point timer: 0.25 seconds or as requested
- Motor active indicator output
- Under-voltage operation protection: 7.5 Volts

Features

- Motor free wheeling minimization
- Compact
- Protective enclosure
- Inexpensive
- Easy install and connect
- Factory set point timer programming

Applications

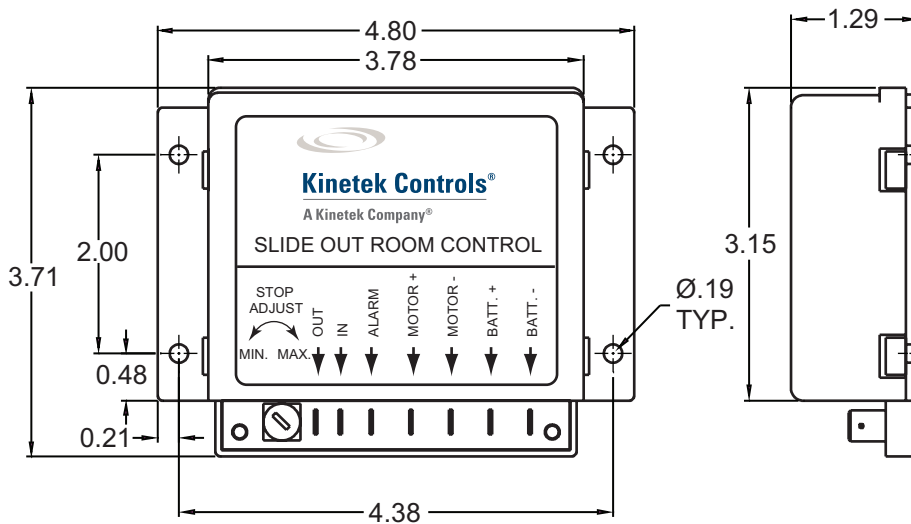
- Recreational vehicles
- Actuator motor control for 12-volt systems

Kinetek Controls

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KCCA0005 RV Motor Controller

KCCA0005 Dimensions



Operation

- Direction Inputs (IN and OUT): Activated through customer switch to BATT -
- Alarm Output: Provides 1 Amp (max) at BATT + voltage whenever motor is active
- Motor leads logically shorted when motor is off to minimize free wheeling
- Current monitoring (not limited)
- Motor operation prevented if source voltage falls below 7.5 Volts
- Protection required: 20A manual reset circuit breaker (i.e., Bussman 123 series) or 30A fuse (i.e., Bussman MAXI-30, Littelfuse 299 030).

Connections

- Out: Input controlling out direction slide out movement
- In: Input controlling in direction slide out movement
- Alarm: Output active when motor is active to drive indicator (1A max @ battery voltage)
- Motor +: Motor positive lead
- Motor -: Motor negative lead
- Batt +: Battery positive
- Batt -: Battery negative

Motor Polarity Logic

- IN input active:
 - Motor + to Batt+
 - Motor - to Batt -
- OUT input active:
 - Motor + to Batt -
 - Motor - to Batt +



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