



# DIN Rail Switch



Product number : AD10E

230VAC - 50 Hz - 16A  
LOAD RATING

## Key Features

- Install at the breaker panel/fuse box for X10 control of branch lighting circuits or appliances rated up to 16A- ideal for airconditioning, heaters, etc.
- Works with X10 controller and standard latched or momentary action wall switches - including "designer" wall switches.

## Benefits

The X10 DIN rail switch is a remote controlled relay. Discretely installed at the junction box, it switches hard-wired circuits with several switches (e.g. hallway lighting). The internal relay can be tripped either by external latched or momentary action wall switches or by an X10 controller.

The AD10E responds to STANDARD X10 protocols: "All units off" from any X10 controller set to its house code, regardless of unit code. Or alternatively, by individual unit control using "On" and "Off". When the relay is energized, the LED above the slide switch is illuminated.

### SLIDE SWITCH

- **Position 0:** the connected load is switched off permanently and cannot be switched on by the wall switches or an X10 controller.
- **Position 1:** the connected load is switched on permanently and cannot be switched off by the wall switches or an X10 controller.
- **Position auto:** the connected load can be switched by the wall switches or an X10 controller.
- **Terminal 1** is designed for toggle switches: the relay picks up when phase is present and releases when there is no voltage at the terminal.
- **Terminal 2** is designed for pulse contacts: each time phase is applied to the relay switches.

## Typical applications

This unit can replace any pulse contact relay that is commonly used for multi-switched hall and entry lighting. In discrete locations, e.g. kitchen lighting, you may prefer to install the AD10E in a small sub-junction box.

## Technical data

- Supply voltage: 230V +10% -15% 50 Hz
- Supply current :  $\leq 20$  mA capacitive
- Making capacity:
  - 2000 W ( incandescent lamp)
  - 3 A (motors)
  - 16 A (resistive loads)
- EMC emission: according to EN 50081-1
- EMC immunity: according to EN 50082-1
- Electrical safety: according to EN 60950 and EN 60065
- Signal sensitivity: 15 mVpp min 50 mVpp max at 120 kHz
- Input impedance:  $\geq 180$  Ohms (L - N) at 120 kHz
- Connections: screw type terminals for phase, neutral, switched phase, control 1 and 2.
- Ambient temperature:
  - 10° C to + 40° C (operation)
  - 20° C to + 70° C (storage)