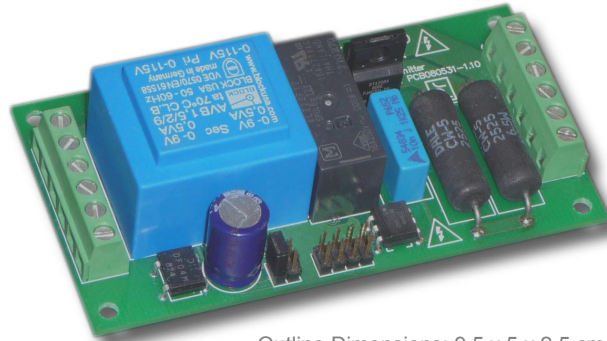


# IRCLIM10

## IRCLIM10

### Universal AC Mains Inrush Current Limiter

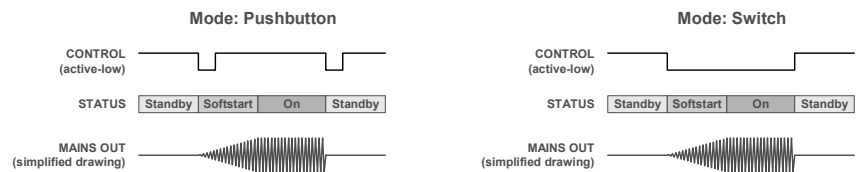


Outline Dimensions: 9.5 x 5 x 2.5 cm

The IRCLIM10 is intended to limit the large transient current occurring when a mains transformer is first energized. The inrush current of the transformer is limited by means of a triac, switching an ohmic resistor in series with AC mains ("Softstart") prior to switching full AC mains with a relay ("On").

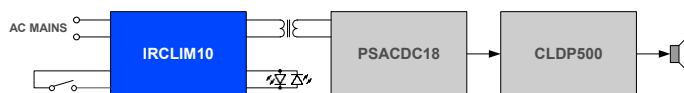


The IRCLIM10 is controlled by either a pushbutton or a switch (jumper selectable mode). An external NTC may be connected for optional overtemperature shutdown. The status "Standby", "Softstart", "On" and "Overtemperature" is indicated by an external LED (bi-color).



### Typical Applications

- Applications powered by large mains transformers, see example below:



### Key Specifications

- Mains voltage 115VAC or 230VAC (50Hz ... 60Hz)
- Switching power < 1500VA
- Standby power consumption < 1W
- Outline dimensions = 95 x 50 x 25mm (w x d x h)

### Main Features

- Softstart with zero-cross switching
- Controlled by either a pushbutton or a switch
- External LED (bi-color) for status indication
- External NTC for overtemperature shutdown (optional use)
- Customized designs available, contact Primelec for further information

### Ordering Information

**IRCLIM10** Universal AC mains inrush current limiter