



IGBT Dimmer - Main Features



Product Features

Main Features of Plasson LED Dimmer are as follows:

- Fully integrated digital control system
- Input
Power Supply System: Automated Voltage Detection and Switching
 - 120V_{AC} / 50Hz (or 60Hz) Allowable voltage fluctuation range: 90-140V_{AC}
 - 220V_{AC} / 50Hz (or 60Hz) Allowable voltage fluctuation range: 170-260V_{AC}
- Output
Two Zones: Zone1 and Zone2
Output voltage control range
 - 0-120V/50Hz (or 60Hz)
 - 0-220V/50Hz (or 60Hz)Each Zone Output current range:
 - 0-9A(in 110V_{AC} system)
 - 0-4.5A(in 220V_{AC} system)
- Control input:
 - Keypad Control in Manual Mode
 - Analog Voltage Control of 0-10V_{dc} in Slave Mode
 - Program Lighting Control in Master Mode
- IGBT Control
- User interface:
 - Keypad on front
 - LCD display
 - Status LEDs on front (normal, alarm)
- No audible noise
- Protection
 - Surge protection: Lightning surge protection
 - Overvoltage protection: Dimmer will cut off output when input voltage is over 160V or 260V (in 110V/220V system).
 - Short circuit protection: Dimmer will cut off system immediately when load current flows over 30A
 - Overload protection: Dimmer will cut off output when load current per Zone flows over 9A
 - Over Heat protection: Dimmer will cut off output when the temperature of dimmer is over 70° C (158° F)
- Allowable Loads:
Type: Incandescent bulbs, LED bulbs