

ROCKET DIMMERS

for LED LIGHTING

Description:

The INTELLIBUS Trailing Dimmers is a proper universal LED Dimmer incorporating the latest dimming technology. This includes a simple method of adjusting the minimum and maximum intensity to suit a wide range of dimmable LEDs and other load types.

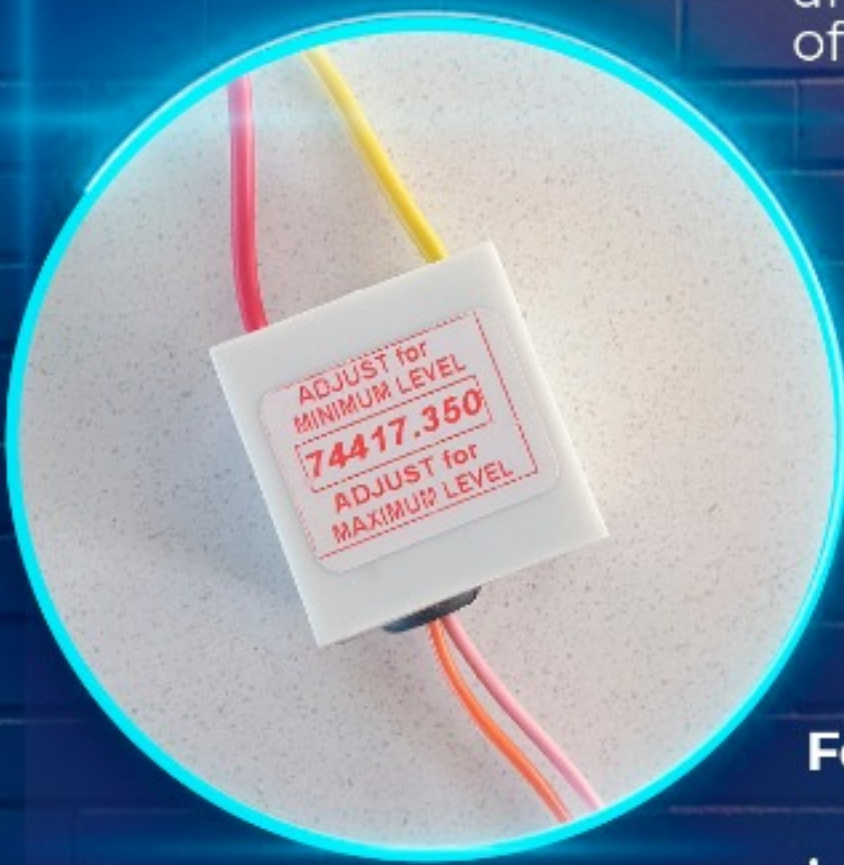
Electrical Specifications

- Input Voltage: 190Vac to 253Vac
- Maximum Resistive Load(1)
- 6 Amps Peak Current
- 2W Minimum (Resistive)
- For use with dimmable LEDs
- Part no.: 74417.350

Features:

- Trailing Edge Dimming
- Active Load Sensing
- Robust Active Short-Circuit Protection
- Over Temperature Protection
- Easily Adjustable Minimum and Maximum
- Smooth Dimming with 10 000 steps
- Ultra-low Leakage Current
- All Dimmers carries a 3 year warranty
- Rocket Dimmers also available in POT and 1000W versions

Please turn over for min and max adjustment settings instructions



Adjustment Procedure

The default setting of the minimum and maximum pots is in the 12 o'clock position and dimmers will leave the factory in this position.

The dimming range of the dimmer has been carefully selected to work best with a wide range of LED lamps in this position. However, as LEDs from different manufacturers have different dimming curves, it may be needed, or may be desired, to adjust either or both pots.

Maximum setting:

This is the RED pot on the right closest to the pot shaft or bellpress wires. It is recommended to adjust this first, and this should be done with the dimmer on and at maximum.

Reasons to raise the Maximum level:

- To get more light out of the lamps if they are not at maximum lumen output at the default setting
- To force the lamp drivers into the non-dimmed high efficiency mode

Reasons to lower the Maximum level:

- To limit the light output of the lamps should they be too bright
- To prevent the lamps switching into the non-dimmed mode and eliminate the glitch sometimes seen when entering and exiting this mode
- To limit "dead time" at the top of the dimming cycle if the lamps reach maximum lumen output before the default maximum position

Minimum setting:

This is the GREEN pot on the left, furthest from the pot shaft or bell press wires. Adjust the minimum after adjusting the maximum

Reasons to raise the minimum:

- If you have lamps that are unstable at low levels
- If you experience too much variation in intensity from lamp to lamp at low levels
- If you have lamps that go completely off when the dimmer is at its lowest level
- If you have lamps that don't turn on when the dimmer is at minimum
- If, for any other reason, you wish to increase the lowest level the lamps will dim to

Reasons to lower the minimum:

- If you have lamps that can dim lower without flickering and you wish to utilise them at lower levels

After adjustments, dim the lamps through the entire dimming range and then turn off with the lights at minimum, ensure that they will turn on when the dimmer is now turned on. If they do not turn on, adjust the minimum higher and test again.



Wiring Diagrams

Connecting One or More Bell Press Switches to a Push Button Dimmer:

