

Pro-Tech has extended beyond the **GOLD** business to the **PLATINUM** business...

# LIGHT DIMMERS



**Model** 6K PLATINUM  
**Capacity** 6000 watts  
**Inputs** 220-250 VAC/60 Hz  
**Outputs** 2-3000 Watt/110-120 VAC  
**Microprocessor**  
**Sunrise/Sunset on/off**  
Two knobs for controlling both rows independently



**Model** 8K GOLD  
**Capacity** 8000 watts  
**Inputs** 220-250 VAC/50-60 Hz  
**Outputs** 2-4000 Watt/110-120 VAC



**Model** 4.8K GOLD  
**Capacity** 4800 watts  
**Inputs** 220-250 VAC/50-60 Hz  
**Outputs** 2-2400 Watt/110-120 VAC  
**Manual Full-On Switch**



**Model** 3K GOLD  
**Capacity** 3000 watts  
**Inputs** 110-120 VAC/60 Hz  
**Outputs** 1-3000 Watt/110-120 VAC

## PRO-TECH, INC.

*Innovated and Proudly Made in the USA by Pro-Tech, Inc.*

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# Why a Pro-Tech Dimmer or Automatic Electronic Light Controller?...

1. Incandescent Bulb life is extended by 7 times or more and more.
2. These dimmers save electricity. They are 99+ % efficient wasting only what it takes to operate the dimmer, which is nearly nothing.
3. The light level is fully adjustable from 0% to 100% and anywhere in between.
4. They save on light bulb expense. So you can buy the cheapest ones. All bulbs have long life.
5. Pro-Tech's dimmers have soft start on turn-on, which limits power surges to the bulbs.
6. We use advanced solid-state technology to increase efficiency and reduce maintenance.
7. There are fewer repairs because of our innovative three way lightning protection.
8. Eighty percent of the repairs can be performed in the field on Pro-Tech dimmers by replacing the Triac. You can change the Triac in the field and not have to send it to the factory. This saves you time and money.
9. Whole house controllers and some lighting controllers can connect to our dimmers. The dimmers accept a 0-10 volt signal from the controller to determine light levels and on-off times for the life of the flock. The 6K PLATINUM and 3K GOLD can even produce a sunrise and sunset effect.
10. All Pro-Tech dimmers are available in either 120-volt AC input for use where there is three-phase electricity, or a 2-230-volt AC input plus neutral unit is available for use outside the USA for use with 230-250 volt bulbs.

Pro-Tech's dimmers are manufactured to withstand a harsh environment. We use components that are rated stronger than the codes require. For instance, we use 8-gauge wire in the 8000-watt unit and 10-gauge wire in the 4800-watt unit. All dimmers are built using 40 amp Triacs.

What if a dimmer is returned to Pro-Tech and it cannot be repaired economically? In other words, it would be less expensive to buy a new one rather than repair the old one. You can trade your dimmer in on a new one. It does not matter how old the dimmer is and it does not have to work. Pro-Tech has been manufacturing dimmers since 1977 and we do this to keep your business and make you happy.

The enclosure for the 4000-watt dimmer to the 8000-watt dimmer has a full size door for easy access and installation. If the Triac is not the problem and factory repair is necessary, only the door needs to be returned. The wiring can be left inside the enclosure and the lights can be straight wired until the repairs are made. This saves time and expense. Just be sure to turn off the power to the dimmer before you open the door.

## ***AUTOMATIC ELECTRONIC LIGHT CONTROLLERS***

The automatic light controllers, called the **Rite Brite**, come equipped with a remote photocell on the end of 50 feet of wire. The Rite Brite should be adjusted at night when no light is coming into the building from outside sources. The Rite Brite is adjusted for the minimum desired light level. If that happens to be the maximum output of the bulbs, turn the knob down until the light just barely begins to dim. When daylight occurs the Rite Brite automatically dims the bulbs to compensate for the light coming through the fans, inlets, and curtains. The Rite Brite can function as a manual dimmer, overriding the photocell. We have two models available. The APC 4000 will handle up to 4000 watts and the APC 8000 will handle up to 8000 watts.