

Performance Bulletin

June 2007

CEC External Power Supply Standard Effective July 1, 2007

The California Energy Commission (CEC) has instituted a new standard for external power supplies which takes effect **July 1, 2007**. According to the new standard, any system sold with a transformer with a rated output of 10 -250 Watts, must have a maximum no load energy consumption of 0.75W and be at least 84% efficient.

How does the new CEC External Power Supply Standard impact you?

This regulation affects all transformers supplied with Fleck 24V timers.

All water treatment systems with a 10 to 250 watt transformer sold in the State of California after July 1, 2007 are required to comply with the new standard. Systems will be compliant as long as they feature either:

- A transformer that meets the 84% efficiency minimum and 0.75W maximum, no-load energy consumption ratings.
- A transformer with a manufacturing date code prior to July 1, 2007.

For Fleck Residential Valves (except Model 2510):

- Our transformers will be supplied with the new specifications
- The new transformers will have the same part number as the current transformer
- We will continue to use the existing transformer until the inventory is depleted, then the new transformer will be incorporated.

On Fleck Model 2510 and Commercial Valves which use the larger motors:

- Our short-term solution is to continue to provide a transformer with a date code prior to July 1, 2007.
- A more permanent, long-term solution is to convert all 24V AC motors, to a high efficiency DC motor. This conversion allows us to use a smaller transformer that meets CEC requirements. Fleck Engineering is currently adapting a new DC motor as a direct replacement to our current 24V AC motor. We will keep you informed relative to timing on the new DC motor's launch as more specific details become available.

New Transformer Benefits:

- CEC Compliance
- Smaller transformer that plugs directly into wall outlet (previously only wall-mounted)
- UL-approved timer system
- Shuts off automatically during an overload, then automatically resets
- No fuse to replace

For more information on the standard please refer to the power supplies section of the **Appliance Energy Regulations** documentation **Section 1605.3 (u) (1)** which can be found at the following website:

<http://www.energy.ca.gov/2006publications/CEC-400-2006-002/CEC-400-2006-002-REV2.PDF>