Front Matter

Abstract
This manual contains information and instructions for installing, operating and maintaining the PEC510.

Copyright
Copyright © 2008, Cooper Crouse-Hinds, Syracuse, NY 13221, U.S.A.
All rights reserved. Reproduction or use of any portion of this manual is prohibited without express written permission from Cooper Crouse-Hinds and/or its licensor.

Trademark Acknowledgements
Cooper Crouse-Hinds is a registered trademark name.
All trademarks and product names mentioned are properties of their respective companies, and are recognized and acknowledged as such by Cooper Crouse-Hinds.

Disclaimer
While every effort has been made to ensure that the information in this manual is complete, accurate and up-to-date, Cooper Crouse-Hinds assumes no liability for damages resulting from any errors or omissions in this manual, or from the use of the information contained herein. Cooper Crouse-Hinds reserves the right to revise this manual without obligation to notify any person or organization of the revision.
In no event will Cooper Crouse-Hinds be liable for direct, indirect, special, incidental, or consequential damages arising out of the use of or the inability to use this manual.

Warranty
Cooper Crouse-Hinds warrants all components, under normal operating conditions, for one year.
**Parts Replacement**

The use of parts or components, in this equipment, not manufactured or supplied by Cooper Crouse-Hinds voids the warranty and invalidates the third party testing laboratory certification which ensures compliance with FAA Advisory Circulars 150/5345-43E, 150/5345-51 and 150/4345-53B. The certification is valid as long as the system is maintained in accordance with FAA guidelines (FR doc. 04-13718 filed 6-16-04).

**Photocell Installation**

The FAA requires this photocell to respond to northern sky illumination, therefore this should always be installed facing the northern hemisphere.

Always mount the photocell in an upright position to avoid the introduction of water into the housing. Installation underneath the power converter or controller box is not a preferred location. Be sure to look for light sources that could disrupt proper function after sunset i.e. streetlights, oncoming traffic, lighted ball fields etc.

To properly test the photocell cover the photometric eye and wait for the system to change modes. It can take up to 90 seconds for mode change to occur. Use of the mode relay switch in the power converter or controller does not provide an adequate test because it bypasses the photocell.

There are (2) types of photocells used for tower light equipment, resistive and voltage. The photo above on the left shows the Cooper Crouse-Hinds PEC510 resistive photocell. The photo on the right shows a voltage photocell. These are NOT interchangeable.

To maintain FAA compliance, an OEM (Original Equipment Manufacturer) photocell must always be used with the lighting system. (FAA 150/5345-53B, Appendix 2, Section 4e and 7.)