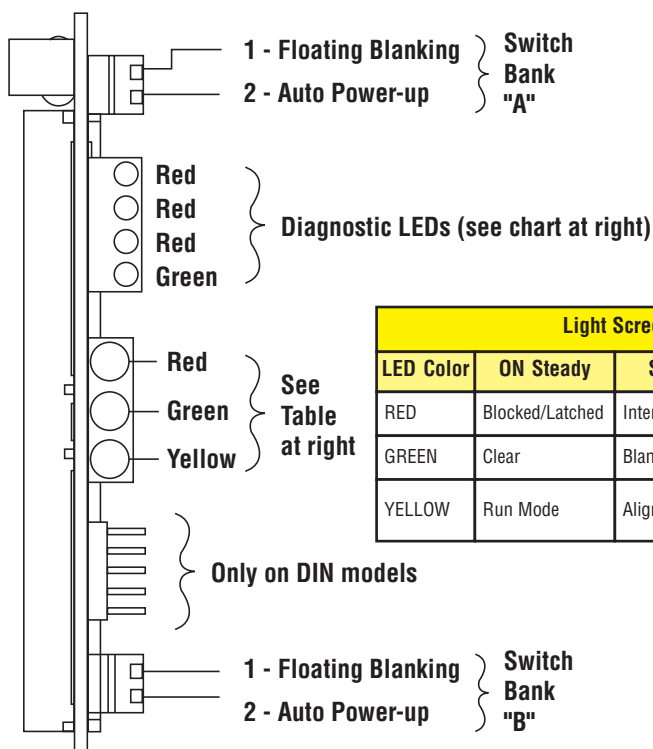




MINI-SCREEN® Controller Models  
**MSDINT-1, MSDINT-1L2** and **MSCx-1xx**  
 without Fixed-Beam Blanking

## Operating Status and Diagnostic Reference

### Controller Module Assembly



Light Screen Status			
LED Color	ON Steady	Single Flash	Double Flash
RED	Blocked/Latched	Internal Lockout	–
GREEN	Clear	Blanking ON, Clear	–
YELLOW	Run Mode	Alignment Required	Power-up Lockout

NOTE: Switch settings Bank "A" and Bank "B" must match, or an internal lockout will occur. Power to the control box should be OFF when changing switch settings, or a lockout will occur, requiring a key reset.

### Diagnostic Display Codes

Error No.	Error Type/Action
0	System is OK
1	Relay Signal Error <ul style="list-style-type: none"> <li>Replace Relay Module</li> <li>Replace Controller</li> <li>Replace Power Supply</li> </ul>
2	Key Input Error <ul style="list-style-type: none"> <li>Check Key Position</li> <li>Invalid Key Reset</li> <li>Replace Key Switch</li> </ul>
3	Controller Error <ul style="list-style-type: none"> <li>Replace Controller</li> </ul>
4	Receiver Error <ul style="list-style-type: none"> <li>Check Receiver Cable</li> <li>Replace Receiver</li> </ul>
5	Emitter Error <ul style="list-style-type: none"> <li>Check Emitter Cable</li> <li>Replace Emitter</li> </ul>
6	Communication Error <ul style="list-style-type: none"> <li>Check Cable Connections</li> <li>Observe Noise Indicator</li> <li>Replace Emitter/Receiver</li> </ul>
7	DIP Switch Error <ul style="list-style-type: none"> <li>Check Switch Settings</li> <li>Replace Controller</li> </ul>
8*	CPU Error <ul style="list-style-type: none"> <li>Replace Controller</li> </ul> *Green LED OFF

NOTE: Flashing error 4 LED indicates noisy environment (see manual)

## Product Support Information

### Factory Support:

**BANNER**®  
 Toll Free Tel: 888.373.6767  
 Email: sensors@bannerengineering.com

### Local Support: