B-KON Flashers have proven their reliability through years of use on communication towers, smoke stacks, cooling towers, tall buildings, bridges and utility towers. The highest quality components are encapsulated in a rugged plastic housing with a molded-in heat transfer plate. The flash rate, ratio, and fail-safe design meet FAA regulations. Zero voltage switching can increase lamp life up to ten times. The FS155-30RF & FS165-30RF include superior RF filtering circuitry for use in high RF installations; including AM hot towers.

Operation
FS Series - Flasher (OFF First)
FA Series - Flashers & Aux. Modules
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until voltage is removed. Reset: Removing input voltage resets the output and the sequence to T2.

Features:
- Zero voltage switching - up to 10 times longer lamp life
- No RFI caused by contacts closing
- High inrush capability - up to 200A
- RF model for AM hot towers & other high RF installations
- Auxiliary units for synchronous flashing or constant line loading

Auxiliary Products:
- Quick connect to screw adaptor:
  P/N: P1015-18
- Female quick connect:
  P/N: P1015-13 (AWG 10/12)
  P/N: P1015-64 (AWG 14/16)
  P/N: P1015-14 (AWG 18/22)

Available Models:
- FA155
- FS155-30RF
- FS155-30T
- FS165-30RF
- FS165-30T
- FA155-2
- FA155-3
- FA155-4
- FA155-5
- FA165
- FA165-2

If desired part number is not listed, please call us to see if it is technically possible to build.

Order Table:

<table>
<thead>
<tr>
<th>Input</th>
<th>Wattage</th>
<th>Inrush</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120VAC</td>
<td>2500W</td>
<td>200A</td>
<td>For High RF Radiation locations including AM Hot Towers</td>
<td>FS155-30RF</td>
</tr>
<tr>
<td>120VAC</td>
<td>5000W</td>
<td>200A</td>
<td>For High RF Radiation locations including AM Hot Towers</td>
<td>FS165-30RF</td>
</tr>
<tr>
<td>120VAC</td>
<td>12500W</td>
<td>200A</td>
<td>Auxiliary unit for synchronous operating of additional beacons</td>
<td>FA165-2</td>
</tr>
<tr>
<td>120VAC</td>
<td>3000W</td>
<td>300A</td>
<td>Auxiliary unit with optical isolation between input and load contacts</td>
<td>FA155-3</td>
</tr>
<tr>
<td>120VAC</td>
<td>5000W</td>
<td>200A</td>
<td>Auxiliary unit for synchronous operating of additional beacons</td>
<td>FA165-2</td>
</tr>
<tr>
<td>120VAC</td>
<td>5000W</td>
<td>200A</td>
<td>Auxiliary unit to provide constant line loading</td>
<td>FA155</td>
</tr>
<tr>
<td>120VAC</td>
<td>5000W</td>
<td>200A</td>
<td>Auxiliary unit to provide constant line loading</td>
<td>FA165</td>
</tr>
</tbody>
</table>

Specifications:

- Operation: Single & multiple beacon flashing with auxiliary modules
- Flash Rate (FS Series Only) 30 ±10 FPM
- ON/OFF Ratio (FS Series Only) 50 - 67% ON time; 33 - 50% OFF time
- Voltage: 120 or 230VAC ±20%
- AC Line Frequency: 50/60Hz
- Output Rating (Zero Voltage Switching) 2500W @ 120VAC; 5000W @ 230VAC
- Inrush Current: 200A peak for 1 cycle of AC line
- Mounting: Surface mount with one #10 (M5 x 0.8) screw
- Dimensions: 2 x 2 x 1.51 in. (50.8 x 50.8 x 38.4 mm)
- Termination: 0.25 in. (6.35 mm) male quick connect terminals
- Circuitry: Encapsulated
- Operating / Storage Temperature: -40° to 65°C / -40° to 85°C
- Humidity: 95% relative, non-condensing
- Weight: ±3.9 oz (111 g)

* Note: Must be mounted to metal surface using the included heat sink compound. The maximum mounting surface temperature is 90°C.
Flasher Function Diagrams:
FS Series: Flasher (OFF First)

FS155 & FS165 & FA Series

Connection Diagrams

FA Series: Flashers & Aux. Modules

FS & FA Series
Beacon Tower Flasher

FL-81001 (with device box)
68-FS155-30RF (w/o device box)

F = Flasher (FS155-30T, FS155-30RF, FS165-30T, FS165-30RF)
AX = Auxiliary Unit
B = Beacon
DL = Dummy Load for Constant Line Loading
Rd = 3.3 KΩ @ 5W for 120VAC
8.5 KΩ @ 5W for 230VAC