EverLast™ Control Panel
EverSignal™ Traffic Signal Dock Light
EverLight™ Loading Dock Spot Dock Light
EverLast™ Control Panel
120 Vac, 1 Phase
LIGHT FIXTURE ROUTING INSIDE

3/4" CONDUIT
J-BOX

DRILL 1" HOLE IN HEADER

8" TALL DOORWAY

MOUNT LIGHT BRACKET
FLUSH WITH OUTSIDE EDGE OF HEADER, ATTACH WITH 4 SELF TAPPING 5/16" SCREWS

1/2" FLEXIBLE CONDUIT TO OUTSIDE TRAFFIC SIGNAL DOCK LIGHT

SIGN TO READ CAUTION
ENTER ON GREEN ONLY
BOLT TO COLUMN

3/4" CONDUIT

CONVENIENCE DUPLEX RECEPTACLE

J-BOX MOUNT INSIDE BELOW VENT TO SERVICE THE OUTSIDE TRAFFIC SIGNAL DOCK LIGHT

10" TALL DOORWAY

BOLLARD
U-BOLT TYP.

HARDWIRE FAN CORD TYP.

DOCK LIGHT MOUNTED TO BOLLARD

SAFETY SIGNAL MOUNTED TO BOLLARD

PHOTO EYE
U-BOLT TYP.

FLEXIBLE CONDUIT
EVERLAST CONTROL PANEL COLUMN

3/4" CONDUIT SET INTO CONCRETE FOR DOCK LEVELER

120VAC, 1Ph

ELECTRICAL DETAIL

EverLast™
PK SERIES
02-19-01
BEACON INDUSTRIES, INC.
ST. LOUIS, MO 63125
COMPONENT LAYOUT

SIDE VIEW

Beacon Industries, Inc.

OUTLINE DRAWING
12 X 16 X 6
NEMA 12 COMBINATION
PK5 & PK6

w/o Inside Traffic Light

CAD CAM DRAWING - DO NOT MANUALLY CHANGE
## BEACON EVERLAST CONTROL PANEL, 120 VAC, 1 PH.

<table>
<thead>
<tr>
<th>Beacon EverLast ASSY</th>
<th>Qty</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Included with every box</strong></td>
<td></td>
<td>120 Volt 1-ph Control Panel</td>
</tr>
<tr>
<td>49EC17BN241108R</td>
<td>1</td>
<td>Enclosure, Nema 12, 16&quot; x 12&quot; x 6&quot;</td>
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<tr>
<td></td>
<td>9</td>
<td>DIN RAIL CUT TO 6&quot; LONG</td>
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<tr>
<td><strong>Included with PK5</strong></td>
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<tr>
<td>52SA2CBA1</td>
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<td>3 POS. SEL. SW. SPRING RETURN FROM LEFT</td>
</tr>
<tr>
<td>52SA2AABK1</td>
<td>1</td>
<td>2 POS. SEL. SW.</td>
</tr>
<tr>
<td>45CG020AF</td>
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<td>DP CONTACTORS 120V COIL</td>
</tr>
<tr>
<td>3RH1131-1AK60</td>
<td>1</td>
<td>CONTROL RELAY 3-N.O. &amp; 1-N.C. 120V COIL</td>
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<tr>
<td>3RT1916-1BC00</td>
<td>1</td>
<td>VARISTOR FOR THE CONTROL RELAYS</td>
</tr>
<tr>
<td>D21806005</td>
<td>1</td>
<td>12 PT TERMINAL BLOCK</td>
</tr>
<tr>
<td>N/A</td>
<td>2</td>
<td>CLASS CC FUSE BLOCKS</td>
</tr>
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<td>CLASS CC FUSES</td>
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<td><strong>Included with PK6</strong></td>
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<td>6</td>
<td>CLASS CC FUSES</td>
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</tbody>
</table>

### Optional - Traffic Light components inside control panel
- MCI TRANS. 4-06-7010 1 SPECIAL TRANSFORMER
- AMPERITE DFS-123-60 1 SOLID STATE FLASHER
EverLast™ Control Panel
208 Vac, 3 Phase
LIGHT FIXTURE ROUTING INSIDE

3/4' CONDUIT
J-BOX

DRILL 1' HOLE
IN HEADER

8' TALL DOORWAY

MOUNT LIGHT BRACKET
FLUSH WITH OUTSIDE EDGE
OF HEADER. ATTACH WITH 4
SELF TAPPING 5/16' SCREWS

1/2' FLEXIBLE CONDUIT TO OUTSIDE
TRAFFIC SIGNAL DOCK LIGHT

SIGN TO READ CAUTION
ENTER ON GREEN ONLY

CENTER CONTROL BOX BETWEEN TRAFFIC
LIGHTS AND MOUNT TO COLUMN WITH UNI-STRUT
3/4' CONDUIT

CONVENIENCE DUPLEX RECEPTACLE

J-BOX MOUNT INSIDE
BELOW VENT TO SERVICE
THE OUTSIDE TRAFFIC SIGNAL
DOCK LIGHT

10' TALL DOORWAY
BOLLARD
U-BOLT TYP.
HARDWIRE FAN CORD TYP.

DOCK LIGHT
MOUNTED TO BOLLARD

SAFETY SIGNAL
MOUNTED TO BOLLARD

PHOTO EYE
U-BOLT TYP.
FLEXIBLE CONDUIT

EVERLAST CONTROL PANEL
COLUMN

3/4' CONDUIT SET INTO
CONCRETE FOR DOCK
LEVELER

208VAC, 3Ph
ELECTRICAL DETAIL

EverLast™
PK 7\8 SERIES
07-25-01
BEACON INDUSTRIES, INC.
ST. LOUIS, MO 63125
EverLast™ Control Panel
480 Vac, 3 Phase
LIGHT FIXTURE ROUTING INSIDE

3/4" CONDUIT
J-BOX

DRILL 1" HOLE IN HEADER

8' TALL DOORWAY

MOUNT LIGHT BRACKET
FLUSH WITH OUTSIDE EDGE
OF HEADER. ATTACH WITH 4
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1/2" FLEXIBLE CONDUIT TO OUTSIDE
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SIGN TO READ CAUTION
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BOLT TO COLUMN
3/4" CONDUIT

CONVENIENCE DUPLEX RECEPTACLE
J-BOX MOUNT INSIDE
BELOW VENT TO SERVICE
THE OUTSIDE TRAFFIC SIGNAL
DOCK LIGHT

480VAC, 3Ph
ELECTRICAL DETAIL

10' TALL DOORWAY
BOLLARD
U-BOLT TYP.
HARDWIRE FAN CORD TYP.

6'-4.00'

8'-6.00'

DOCK LIGHT
MOUNTED TO BOLLARD

SAFETY SIGNAL
MOUNTED TO BOLLARD

PHOTO EYE
U-BOLT TYP.
FLEXIBLE CONDUIT
EVERLAST CONTROL PANEL
COLUMN

3/4" CONDUIT SET INTO
CONCRETE FOR DOCK
LEVELER

EverLast™
PK SERIES
02-19-01
BEACON INDUSTRIES, INC.
ST. LOUIS, MO 63125
NOTES:

A  3010 AVG & 1 #14 GROUND - 3/4" INC

B  3014 AVG & 1#14 GROUND - 1/2" INC

CONTROL STATION BOX
CONTROL PANEL WITH HEAVY DUTY LOGIC
PART #PK3
## BEACON EVERLAST CONTROL PANEL 480 VAC, 3 PH.

**Included with every box**

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<thead>
<tr>
<th>Item Code</th>
<th>Qty</th>
<th>Description</th>
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<tbody>
<tr>
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<td>1</td>
<td>Enclosure, NEMA 12, 24&quot;L x 20&quot;W x 6&quot;D</td>
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<td>1</td>
<td>3050C100 DISCONNECT</td>
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<tr>
<td>1</td>
<td>HANDLE ASSEMBLY</td>
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<tr>
<td>9</td>
<td>DIN RAIL CUT TO 8&quot; LONG</td>
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<tr>
<th>Item Code</th>
<th>Qty</th>
<th>Description</th>
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<tbody>
<tr>
<td>MT0500A</td>
<td>1</td>
<td>500 VA 460VP-120V CPT</td>
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<tr>
<td>KCCFPX2R</td>
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<td>PRIMARY FUSE KIT</td>
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**Included with PK3**

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<td>3 POS. SEL. SW. SPRING RETURN FROM LEFT</td>
<td>F091</td>
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<tr>
<td>52SA2CBBK</td>
<td>1</td>
<td>2 POS. SEL. SW.</td>
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<td>42AF35AF</td>
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<td>DP CONTACTORS 120V COIL</td>
<td>F191</td>
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<td>3RH1131-1AK60</td>
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<td>CONTROL RELAY 3-N.O &amp; 1-N.C. 120V COIL</td>
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<td>VARISTOR FOR THE CONTROL RELAYS</td>
<td>SS61</td>
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<td>D21060005</td>
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<td>12 PT TERMINAL BLOCK</td>
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<tr>
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<td>CLASS CC FUSE BLOCKS</td>
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**Included with PK4**

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**Optional - Traffic Light components inside control panel**

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<td>SPECIAL TRANSFORMER</td>
</tr>
<tr>
<td>AMPERITE DFS 123-60</td>
<td>1</td>
<td>SOLID STATE FLASHER</td>
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</table>
EverSignal™ Traffic Signal Dock Light
TDL-1100 A-W (LIWBO) SERIES
AUTOMATIC TRAFFIC SIGNAL DOCK LIGHT

ELECTRICAL DIAGRAM

VERSION ④ SHEET 1 OF 2

03-08-01
BEACON INDUSTRIES, INC.
314-487-7600
TDL-1100 A-W (LWIBO) SERIES
AUTOMATIC TRAFFIC SIGNAL DOCK LIGHT
INSTALLATION WIRING LAYOUT
VERSION ④ SHEET 2 OF 2

03-08-01
BEACON INDUSTRIES INC.
314-487-7600
FUSE

120V

(HOT)

0.5A

TRANSFORMER

BLUE

10V

3/16" SPADE

1/4" SPADE

2 FLASHER

DFS 123-60

WIRE NUT

ORANGE

RED

BLACK

WHITE

INSIDE STOP LIGHT

OUTSIDE STOP LIGHT

INSIDE GO LIGHT

OUTSIDE GO LIGHT

TDL-1100 A-W (LWBO) SERIES
AUTOMATIC TRAFFIC SIGNAL DOCK LIGHT
ELECTRICAL DIAGRAM
VERSION ④ SHEET 1 OF 2

DIAGRAM 7b

* SLOW BLOW FUSE

BEACON INDUSTRIES, INC.
314-487-7600
TDL-1100 A-W (LWIBO) SERIES
AUTOMATIC TRAFFIC SIGNAL DOCK LIGHT
INSTALLATION WIRING LAYOUT
VERSION 4 SHEET 2 OF 2

IAGRAM 8b  SLOW BLOW FUSE

02-20-02
BEACON INDUSTRIES INC.
314-487-7600
EverLight™ Loading Dock Spot Dock Light