BEACONNECT BASIC REQUIREMENTS FOR FACTORY PROGRAMMING

STEP ONE

INSTALLING CONTRACTOR WILL NEED SITE LAYOUT TO DETERMINE FIXTURE LOCATIONS BY TYPE NUMBER

1. **Site layout** showing pole locations (or Google Earth) is required. Beacon will return the site layout with a fixture schedule that will help the installing contractor install fixtures in the correct location.

The site layout will be returned marked up with the following:
- Fixture type numbers, catalog numbers & quantities
- Fixture schedule showing Group dimming schedules by time & dimming percent
- Fixture occupancy sensor groups with master & satellites identified by type number

All fixtures and boxes will arrive with identifying labels that match the site layout.

STEP TWO

NEED TIME & DIMMING SCHEDULES FOR EACH GROUP

Beaconnect is dependent on the dimming range of the LED drivers (10% TO 100%); therefore Beaconnect is **not capable of turning the lights "ON/OFF"**. We recommend that the user implement a time clock or photocontrol on the lighting circuits if he wishes to shut the lighting off during the day. The fixtures’ programming, user settings, and the correct time will be maintained while the fixture is dormant.

1. Is the **Power On/Off** supplied at the panel by master photocontrol or time clock? We will set the default at 100% light output when power turns on.

2. Need time and dimming percent for each group schedule
   **NOTE:** (A GROUP ARE FIXTURES THAT HAVE THE SAME SCHEDULE)

   **Example:** Group 1 fixtures dim to 50% of full output at 10:00 pm
               25% of full output at 12:00 am
               Group 2 fixtures dim to 25% of full output at 10:00 pm

3. Identify Type number for fixtures in each group.
   **Example:** Group 1 consists of 6-Type AA, 9-Type AB
               Group 2 consists of 8-Type BB, 7-Type AB

4. Need weekly schedule by days for each group. Do you want the schedule to follow all seven days or do you want to follow a different schedule for weekends?
   **Example:** One schedule for 5-day week and a second schedule for weekends.

5. Do you want to set a lumen maintenance percent to compensate for lumen depreciation?

6. Zip Code or Location Being Installed

7. Is this a repeat order?
**STEP THREE**

NEED TO IDENTIFY MASTER & SATELLITE OCCUPANCY SENSOR FIXTURES BY TYPE NUMBER & GROUP

In a remote motion sensing scenario, the sending fixture (the one detecting motion) is called the “Master”, and the receiving fixture is called the “Satellite”

Prior to a motion detection event, the fixture operates at the “low” brightness level which is defined by the schedule. Upon motion sensing event, the fixture rises to a selected “high” brightness level for a specific cycle duration.

Master sensors fixtures and satellites will be defined by separate groups.

- Identify by type number which fixtures have master sensors? (*Master Sensors control satellite fixtures*)
- Identify by type number which fixtures will be Satellites to the master sensor fixtures. (*Satellite fixtures follow*)
- How long do you want the sensors stay on high after triggered by motion?
- When the light is on low, what percentage should that be? (Determined by the group schedule.)
- Mounting height of sensor fixtures? (This will determine proper sensor lens)

NOTE: Factory pre-commissioning – user also has options to install the *Beaconnect* software and use the *Beaconnect* GUI (Graphical User Interface) to “fill out and create” a (*.BC) file or use a supplied excel spreadsheet to document setting configurations to the factory.

**Beaconnect System Components**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>(MUST CHOOSE ONE OPTION BELOW / 1-PER SITE REQUIRED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASM-USB-BCW</td>
<td>Beaconnect Software loaded on USB flash drive* (Windows based only)</td>
<td></td>
</tr>
<tr>
<td>ASM-TABLET-BCW</td>
<td>Beaconnect 7” Windows Tablet* (Pre-loaded with Beaconnect software)</td>
<td></td>
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</tbody>
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* Includes USB Radio