DESCRIPTION:
The Autani AFC-A Dimming Fixture Controller is a wirelessly managed 120/277/347VAC plenum rated lighting controller with integrated daylight harvesting support.

In addition to schedules and demand response events enacted by EnergyCenter software, the AFC-A can be deployed with local control, daylight harvesting control, or both. A standard power pack such as the Autani UVPP powers the Fixture Controller and provides a low end cutoff relay for connected loads.

Using EnergyCenter, occupancy detected by sensors connected to networked Room Controllers (like the ARC-R) can be used to determine light level, daylight harvesting setpoints, or maximum light level. Autani’s Trulevel dimming records actual light levels as they are set, providing flawless, repeatable performance even if the light source degrades.

As a network device, the AFC-A is controlled by an Autani Manager appliance running EnergyCenter software. EnergyCenter manages lighting circuits based upon time schedules, local control, occupancy, light levels, demand response curtailments, computer activity, and door openings or closures.

FEATURES:
- Multi-Voltage Compatible, 120 to 347VAC
- Control of up to ten 0-10VDC dimmable fluorescent or LED lighting fixtures (Advance Mark 7 ballast or equivalent)
- Suitable for individual fixture control or zone based control schemes
- Sensor input for selected 0-10VDC photocells to support daylight harvesting with an unlimited number of targets or setpoints
- Local control input for selected 0-10VDC dimmer controls
- Trulevel dimming for lumen maintenance provides constant output over the life of selected LED fixtures
- Assignable guardband and delay for daylight harvesting applications to prevent unwanted changes in light level
- Connected sensors and controls function locally if Network Communications are lost
- Supports EnOcean wireless switches, contacts, sensors, and key card holders
- UL Listed & Plenum Rated
- Designed & Made in the USA

APPLICATIONS:
AFC-A fixture controllers are suitable for renovation, upgrade, and new construction projects where individual fixture control and/or monitoring is desired.

- Private & Open Offices
- Corridors & Hallways
- Classrooms & Gymnasiums
- Warehouse Spaces & Manufacturing Areas
- Patient Care Rooms
- Transportation Terminals
- Retail & Grocery Stores

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**SPECIFICATIONS:**

**ELECTRICAL**
- Input Voltage: 12 to 30VDC
- Input Current: 20 to 100mA
- Output Voltage: 10V
- Output Current: 1mA
- 0-10VDC Analog Input (Channel 1 and 2): 0 to 10V
- 0-10VDC Analog Output: 0 to 10V
- Designed to comply with IEC 60929 (Annex E) standard

**I/O PORTS**
- Channel 1: 0-10VDC Daylight Sensor/ Photocell
- Channel 2: 0-10VDC Local Dimmer Control

**RADIO NETWORK (autaniNet)**
- IEEE 802.15.4-2003 2.4GHz ISM
- Range: Up to 2000’ LOS transmit/ receive

**REGULATORY APPROVALS**
- FCC ID: V8NZRB1000152 & IC: 7737A-ZRB1000152

**ENVIRONMENTAL**
*Test condition of all ratings 25°C*
- Operating Temperature: 0° to 60°C
- Storage Temperature: -25° to 80°C

**PHYSICAL**
- Dimensions (HxWxD): 3.35 x 1.07 x .71in
- Color: White
- Weight/ Shipping Weight: <10 oz/ <1lb

*Indoor use only

**DIMENSIONS:**

**ORDERING INFORMATION:**

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
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<tbody>
<tr>
<td>A02-01-0009-01</td>
<td>AFC-A Dimming Fixture Controller, 0-10VDC interface, 120 to 347VAC (Requires UVPP for power, low end cutoff)</td>
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<tr>
<td>A02-01-0009-02</td>
<td>AFC-CR Dimming Fixture Controller, includes control relay drive output for use with ARC (Requires UVPP for power, low end cutoff)</td>
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**Optional Accessories:**

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<th>Description</th>
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<tr>
<td>A02-05-0125-02</td>
<td>UVPP Universal Voltage Power Pack (120 to 277VAC)</td>
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<tr>
<td>A02-12-0001-01</td>
<td>0-10VDC Local Dimmer Control with On/Off switch</td>
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**EnOcean Wireless Accessories:**
*For additional information, see the individual product’s data sheet.*

<table>
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<tr>
<td>A02-22-0213-01</td>
<td>Single Rocker Pad, Wireless, 902MHz, White</td>
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<tr>
<td>A02-22-0214-01</td>
<td>Double Rocker Pad, Wireless, 902MHz, White</td>
</tr>
</tbody>
</table>

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