

## 0-10V to ELV Dimming Module (DIMO-10VELV) - INSTALLATION INSTRUCTIONS

CAUTION: BEFORE CONNECTING THE FIXTURE TO A POWER SUPPLY, MAKE SURE THE POWER IS SWITCHED OFF.



### DETAILED ILLUSTRATION

#### GENERAL:

1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.
4. These fixtures are intended to be mounted to a J-Box directly supported by the building structure.

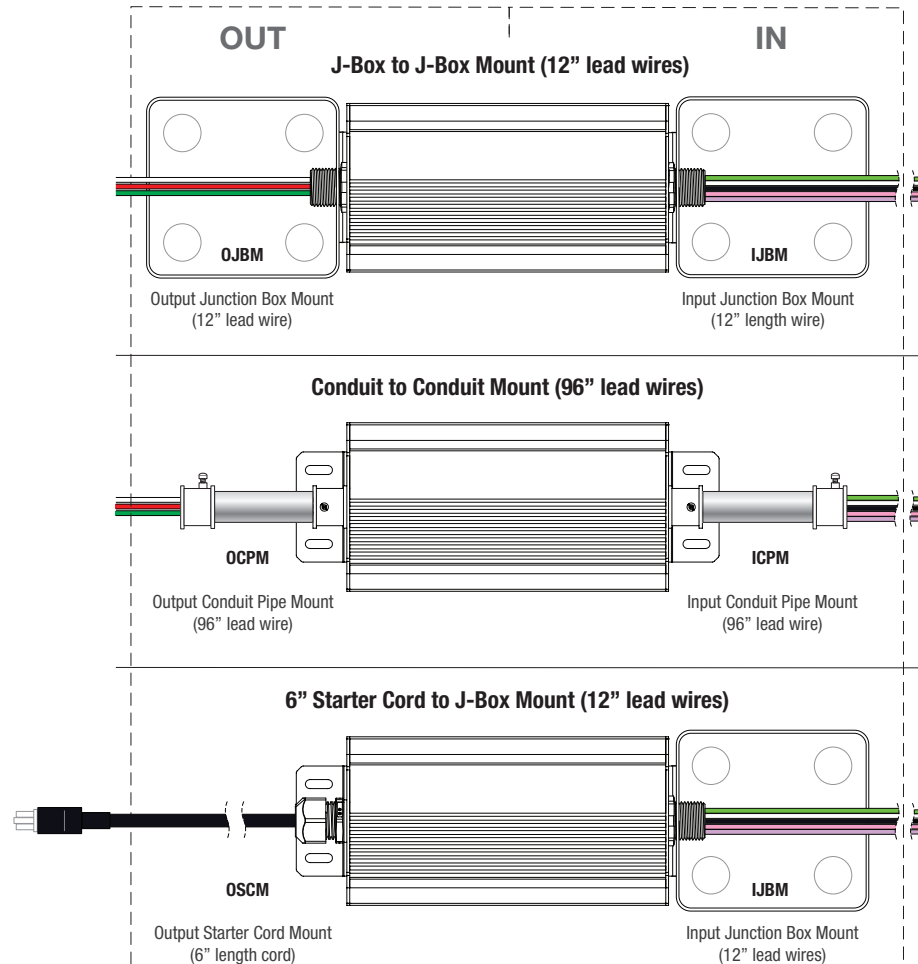
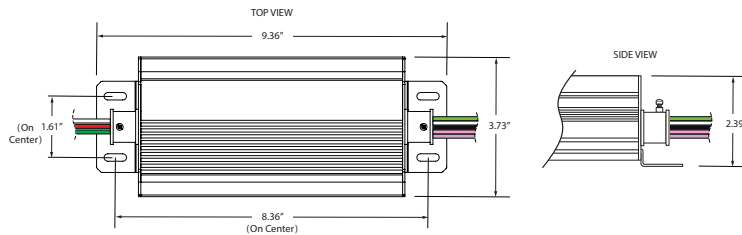
**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

**NOTE:** The Dimming Module Converts a 0-10V Dimming signal to control ELV Dimmable Products.

#### INSTALLATION

1. Depending upon the Module Connections being used, continue to the appropriate page to see installation details. The DIMO-10VELV Module ships assembled from the factory. Use the correlating diagrams on the following pages to complete electrical connections.

#### Overall Dimensions



## 0-10V ELV Dimming Module (DIM0-10VELV) - INSTALLATION INSTRUCTIONS

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### DETAILED ILLUSTRATION

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1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
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3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.
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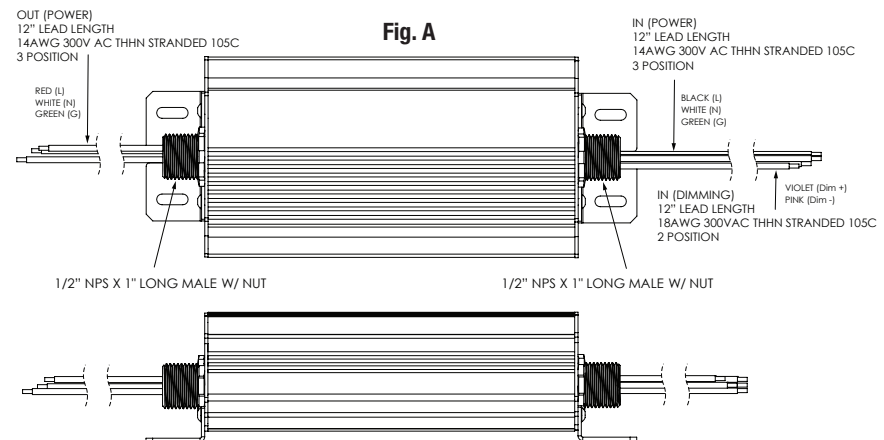
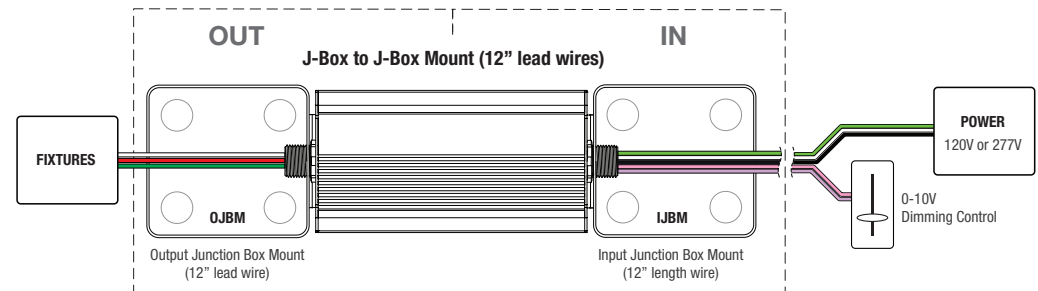
#### INSTALLATION

1. J-Box to J-Box Mount - determine correct IN/OUT orientation of Module wiring.  
IN = 5-wire end for connecting Power and Dimming controller.  
OUT = 3-wire end to connect fixtures. See diagram **Fig. A**
2. Use appropriate fasteners to secure the DIM0-10VELV Module to the electrical frame structure. If a connecting J-box is well supported, the Module is light enough it can be connected and supported by the J-box.
3. Connect any standard size J-box to each end of the Module using the 1/2" NPS by 1" Long Male connectors.
4. Complete wiring connections at J-box using NEC and local codes.
5. Turn main power on and test fixtures.
6. If troubleshooting is required, turn power off, and repeat lock out and tag out.

**Maximum Run Length** = maximum fixture run per unit is based on the power consumption of the fixtures used. **800W @ 120V AC, 1800W @ 277V AC**

Example: (800W @ 120V) divided by (40W per fixture) = 20 fixtures

### J-Box to J-Box Mount (12" lead wires)



## 0-10V ELV Dimming Module (DIMO-10VELV) - INSTALLATION INSTRUCTIONS

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### DETAILED ILLUSTRATION

#### GENERAL:

1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.
4. These fixtures are intended to be mounted to a J-Box directly supported by the building structure.

**NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

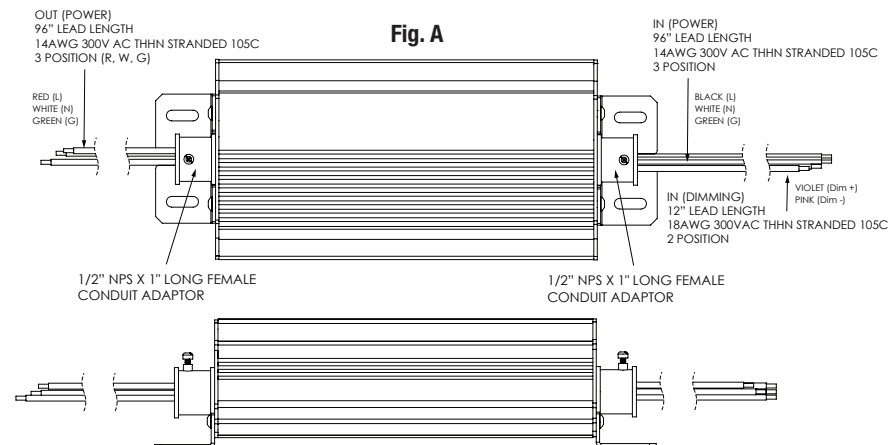
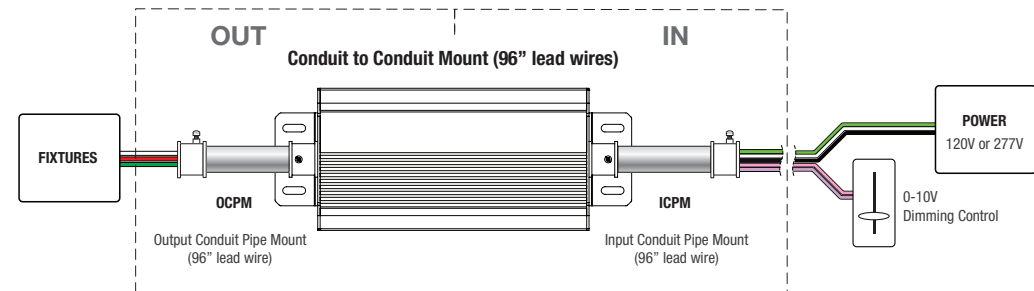
#### INSTALLATION

1. Conduit to Conduit Mount - determine correct IN/OUT orientation of Module wiring.  
IN = 5-wire end for connecting Power and Dimming controller.  
OUT = 3-wire end to connect fixtures. See diagram **Fig. A**
2. Use appropriate fasteners to secure the DIMO-10VELV Module to the electrical frame structure.
3. Connect male end of conduit to each end of the Module using the 1/2" NPS by 1" Long Female Conduit Adapter.
4. Complete wiring connections at J-box using NEC and local codes.
5. Turn main power on and test fixtures.
6. If troubleshooting is required, turn power off, and repeat lock out and tag out.

**Maximum Run Length** = maximum fixture run per unit is based on the power consumption of the fixtures used. **800W @ 120V AC, 1800W @ 277V AC**

Example: (800W @ 120V) divided by (40W per fixture) = 20 fixtures

### Conduit to Conduit Mount (96" lead wires)



## 0-10V ELV Dimming Module (DIMO-10VELV) - INSTALLATION INSTRUCTIONS

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### DETAILED ILLUSTRATION

#### GENERAL:

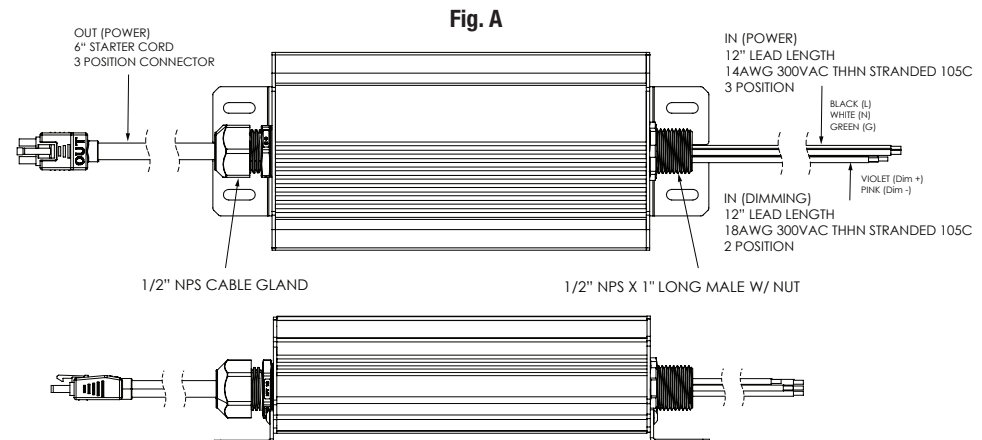
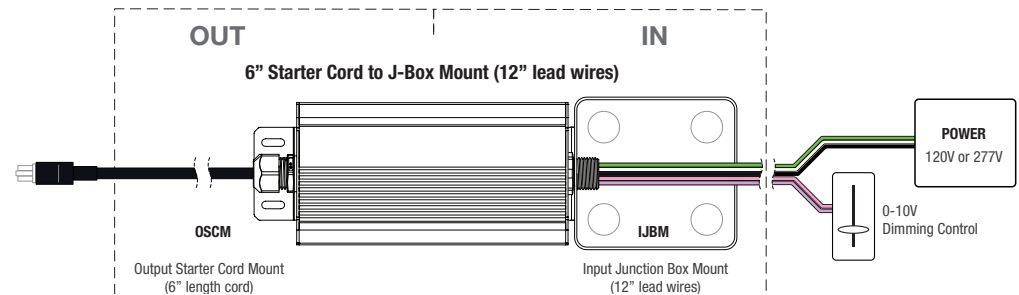
1. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
2. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.
3. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.
4. These fixtures are intended to be mounted to a J-Box directly supported by the building structure.

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#### INSTALLATION

1. 6" Starter Cord to J-box - determine correct IN/OUT orientation of Module wiring.  
IN = 5-wire end for connecting Power and Dimming controller.  
OUT = 3-position Starter Cord. See diagram **Fig. A**
2. Use appropriate fasteners to secure the DIMO-10VELV Module to the electrical frame structure.
3. Connect male end of conduit to each end of the Module using the 1/2" NPS by 1" Long Female Conduit Adapter.
4. Complete wiring connections at J-box using NEC and local codes.
5. Turn main power on and test fixtures.
6. If troubleshooting is required, turn power off, and repeat lock out and tag out.

### 6" Starter Cord to J-box Mount (12" lead wires)



**Maximum Run Length** = maximum fixture run per unit is based on the power consumption of the fixtures used. **800W @ 120V AC, 1800W @ 277V AC**

Example: (800W @ 120V) divided by (40W per fixture) = 20 fixtures