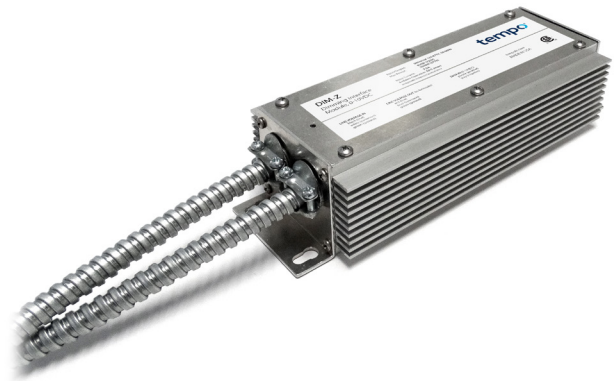


## DIM-Z

DIMMING INTERFACE MODULE

CONVERTS 0-10V SIGNAL TO ELECTRONIC LOW VOLTAGE (ELV) SIGNAL



## INSTALLATION INSTRUCTIONS

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|                                |          |
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**WARNING:**

Read and understand these instructions before installing. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. Turn off main power supply before you start installing.

### ELECTRICAL RATINGS

Universal 120V-277V input

50/60 Hz

600w Max (120V input); 1,350W Max (277V input)

|  |             |
|--|-------------|
| Source current out of 0-10V (+) Purple wire min/max:     | 0mA / 0.5mA |
| Absolute voltage range on 0-10V (+) Purple wire min/max: | 0V / 15V    |
| Sink current into the 0-10V (+) Purple wire min/max:     | 0uA / 1uA   |

### IMPORTANT:

Tempo recommends using Surge Suppression Device (SSD) on each circuit to protect DIM-Z and fixtures.

### WARRANTY INFORMATION:

5 year warranty only valid when used with Tempo fixtures.

Limited warranty when used with non-Tempo fixtures. Any testing for compatibility between the DIM-Z and all non-Tempo fixtures is the sole responsibility of customer. Tempo assumes no liability for malfunctions or defects when DIM-Z is used with fixtures other than Tempo's. Contact Tempo for more information on testing other fixtures with DIM-Z.

## DIM-Z

DIMMING INTERFACE MODULE

CONVERTS 0-10V SIGNAL TO ELECTRONIC LOW VOLTAGE (ELV) SIGNAL

## INSTALLATION



**Turn off main power supply prior to installation.**

### STEP 1

#### **Connect to power:**

Connect the input line power to the Black (live) and White (Neutral) to input power wires on DIM-Z.

Connect the input ground wire to the one of the Green ground wires on DIM-Z.

**Note:** Tempo recommends using Surge Suppression Device (SSD) on each circuit to protect DIM-Z and fixtures. See wiring diagram for details on using Surge Suppression Device.

### STEP 2

#### **Connect the 0-10V Dimming Signal:**

Connect the Purple wire to the (+) side of 0-10V signal.

Connect the Grey wire to the (-) side of 0-10V signal.

### STEP 3

#### **Connect to fixtures:**

Connect the Red wire from DIM-Z to the Line wire from fixture.

Connect the Blue wire from DIM-Z to the Neutral wire from fixture.

Connect the Green wire from DIM-Z to the Ground wire from fixture.

## TROUBLESHOOTING

DIM-Z is equipped with self-diagnostic fault indicator.

During normal operation the Red LED indicator light remains solid on.

When an error occurs the Red LED indicator first gives 8 slow blinks then a number of rapid blinks.

| NUMBER OF RAPID BLINKS | DIAGNOSIS                       |
|------------------------|---------------------------------|
| 4 or 5                 | The load current is too high    |
| 6                      | The standby current is too high |
| All other numbers      | Consult factory                 |

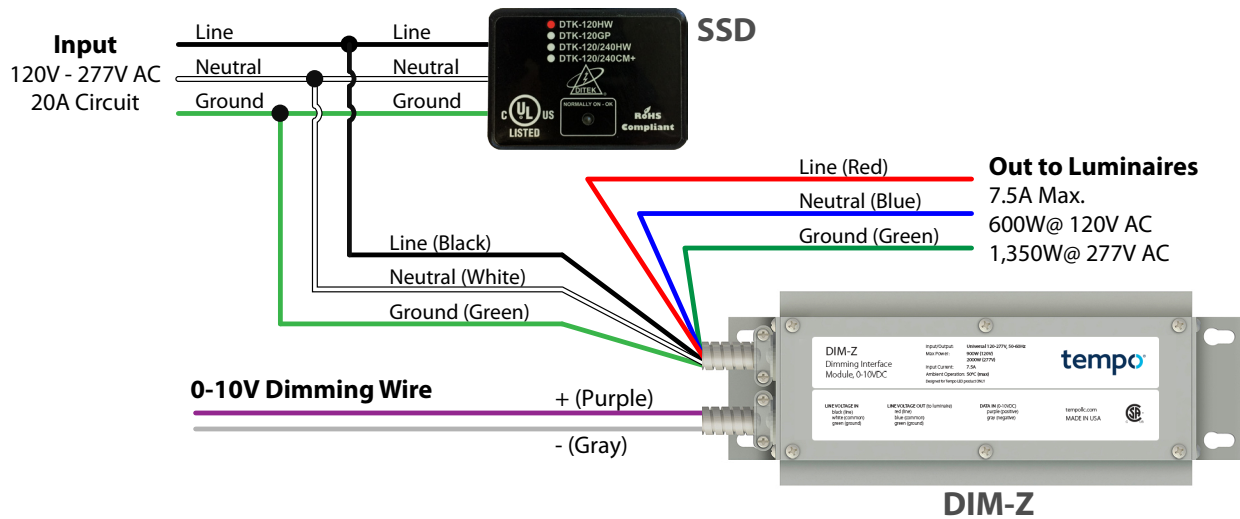
## DIM-Z

DIMMING INTERFACE MODULE

CONVERTS 0-10V SIGNAL TO ELECTRONIC LOW VOLTAGE (ELV) SIGNAL

### WIRING DETAIL

1 CIRCUIT, 1 SSD SURGE SUPPRESSION DEVICE, 1 DIM-Z



**NOTE:** No limit to number of runs from output of DIM-Z as long as total wattage does not exceed 600W@ 120V or 1,350W@ 277V.

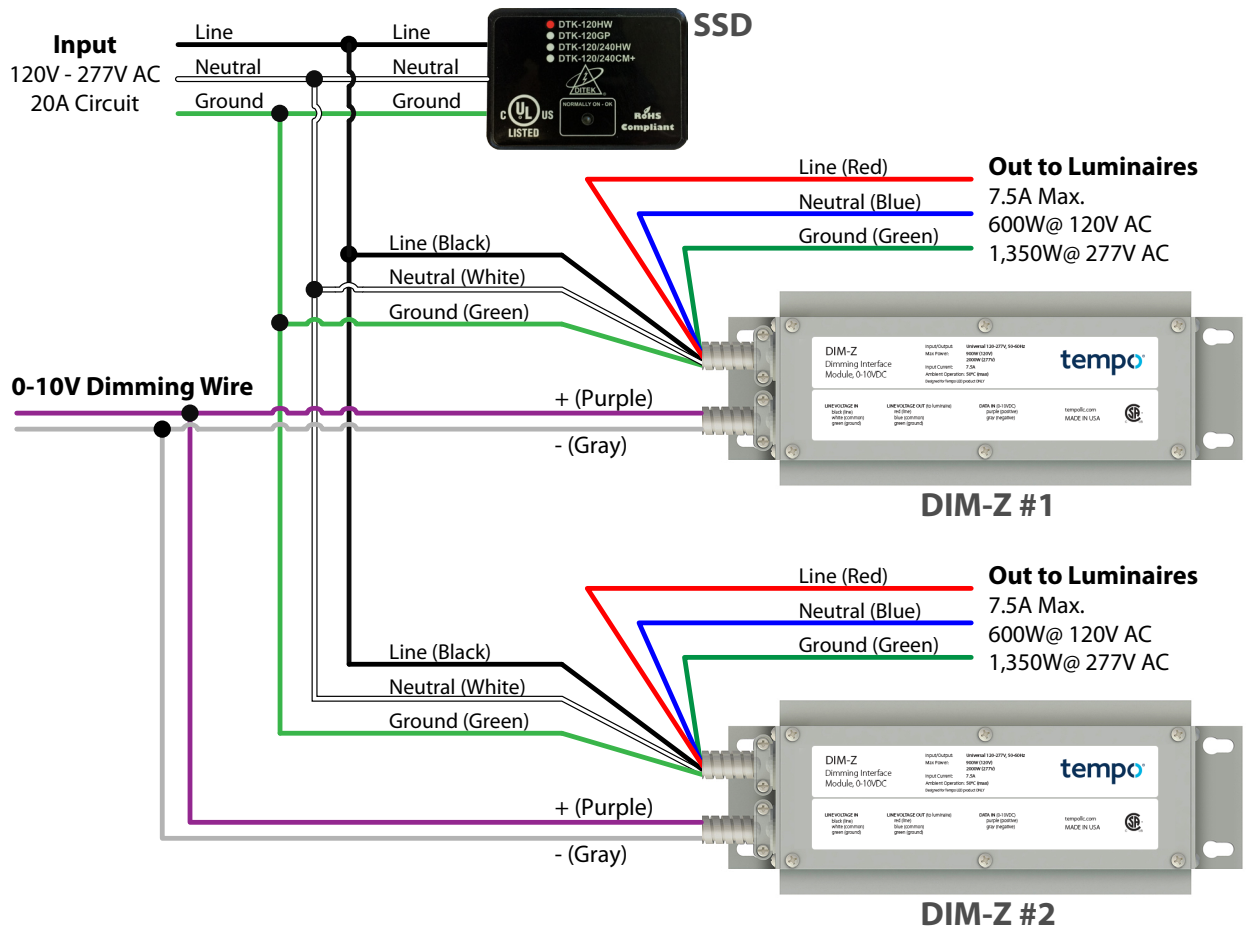
## DIM-Z

DIMMING INTERFACE MODULE

CONVERTS 0-10V SIGNAL TO ELECTRONIC LOW VOLTAGE (ELV) SIGNAL

### WIRING DETAIL

1 CIRCUIT, 1 SSD SURGE SUPPRESSION DEVICE, 2 DIM-Z



**NOTE:** No limit to number of runs from single output of DIM-Z as long as total wattage does not exceed 600W@ 120V or 1,350W@ 277V.

## DIM-Z

DIMMING INTERFACE MODULE

CONVERTS 0-10V SIGNAL TO ELECTRONIC LOW VOLTAGE (ELV) SIGNAL

### WIRING DETAIL

2 CIRCUIT, 2 SSD, 4 DIM-Z

**NOTE:** No limit to number of runs from output of single DIM-Z as long as total wattage does not exceed 600W@ 120V or 1,350W@ 277V.

