



DECORA®
COLLECTION BY LEVITON

MURAL™

Scene Capable Dimmer

120VAC, 60Hz

Fluorescent Only

Cat. No. MCX10-1, 1000VA
(w/brightness level display)

**Total minimum wattage
must exceed 60VA**

**For use w/ Advance
Mark X™ Dimming Ballasts**

INSTALLATION INSTRUCTIONS



DI-00X-MCX10-00A

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such two year period the product is returned prepaid, with proof of purchase date, and a description of the problem to **Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 59-25 Little Neck Parkway, Little Neck, New York 11362-2591 (In Canada send to Leviton Mfg. of Canada Ltd., 165 Hymus Blvd., Point Claire, (Quebec), Canada H9R 1E9)**. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

For Technical Assistance Call:
1-800-824-3005 (U.S.A. Only)
1 800 405-5320 (Canada Only)
www.leviton.com



DI-00X-MCX10-00A

FEATURES

- Leviton's Decora® Style design
- Soft fade ON/OFF
- Minimum Brightness Adjustment
- Brightness Level Display
- Double Tap functions
- Scene Capabilities
- Power interruption - load returns to existing state
- ON/OFF LED indicates status of load
- Color conversion available

FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

INSTALLATION INSTRUCTIONS

WARNING: TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.

WARNING: IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICIAN.

WARNING: TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO THIS DEVICE AND OTHER EQUIPMENT, USE ONLY WITH THE APPROPRIATE ADVANCE MARK X™ 120V ELECTRONIC DIMMING BALLASTS FOR CONTROLLING THE SPECIFIC FLUORESCENT LAMPS.

OTHER CAUTIONS:

- BOTH LIGHTING FIXTURE AND DIMMER MUST BE **GROUND**ED.
- DISCONNECT POWER WHEN SERVICING OR CHANGING LAMPS.
- USE THIS DEVICE ONLY WITH COPPER OR COPPER CLAD WIRE. WITH ALUMINUM WIRE USE ONLY DEVICES MARKED CO/ALR OR CU/AL.

MULTI-GANG INSTALLATION:

When ganging dimmers, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off (refer to Figure 1). The side sections dissipate heat, so removing them requires a derating of the dimmer's capacity (refer to chart).

MAXIMUM BULB WATTAGE:

Advance Mark X™ dimmers are rated in Volt-Amps (VA). The maximum bulb wattage is determined by the efficiency of the Advance Mark X™ ballast. **Table 1** shows the maximum number of ballasts that can be connected to a single dimmer for different Advance Mark X™ ballasts. Also note the table shows maximum ballasts for multi-gang installations.

NOTE: For multiple ballasts on one dimmer, use only the same model ballast.

TO INSTALL:

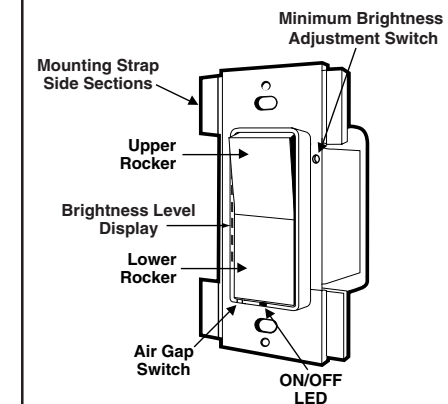
- WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; **TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!**
- Remove existing wallplate and switch or dimmer, if applicable.
- Remove 3/4" (1.9 cm) of insulation from each circuit conductor. Make sure that ends of conductors are straight.
- Connect lead wires per appropriate WIRING DIAGRAM as follows: Twist strands of each lead tightly and, with circuit conductors, push firmly into appropriate wire connector (**see chart for allowable wire connector and number of conductor combinations**). Screw connectors on clockwise making sure that no bare conductor shows below the wire connectors. Secure each connector with electrical tape.
- Carefully position all wires to provide room in outlet box for dimmer. Mount dimmer into box with mounting screws supplied.
- Restore power at circuit breaker or fuse. Turn the dimmer ON by pressing the upper half of the rocker. The GREEN LED will turn OFF to indicate power to the dimmer (when the dimmer is OFF, the LED is ON).

NOTE: This model incorporates a trim adjustment which will allow the installer to precisely set the low end of the dimming range to suit each installation. This adjustment is preset at the factory and should require no further adjustments for most installations. If adjustment is required proceed as follows, otherwise continue with step 9:

- The brightness adjustment is located on the side of the dimmer (refer to Figure 1). Using a small, insulated screwdriver, depress the brightness adjustment switch. To increase the minimum brightness, press the upper half of the rocker. To decrease the minimum brightness, press the lower half of the rocker.
- Release the rocker. Release adjustment switch and minimum brightness is set. Check for proper operation by tapping the lower half of the rocker so the lights turn OFF, then tapping the upper half of the rocker so the lights turn ON. The lights will turn ON to the new minimum brightness set. If operation is not satisfactory, repeat step 7.
- Attach Decora® wallplate (not included). **INSTALLATION IS COMPLETE.**

NOTE: On the lower left corner of the switch frame, there is an air-gap switch. When servicing a controlled fixture, pull lever out (OFF position). This will cut the power to the fixture. After servicing is complete, push the lever in (ON position) to restore power. The lever must be pushed in all the way (ON position) for normal operation.

Figure 1 – Dimmer Functions



MAXIMUM LOAD PER DIMMER FOR MULTI-GANG

Cat. No.	Single	Two Gang	More than 2 Gang
MCX10-1	1000VA	800VA	700VA

TABLE 1
Cat. No. MCX10-1, 120V – For use with
Advance Mark X™ 120V Dimming Ballasts

Advance Mark X™ Part No.	Lamps	Max. # Ballasts/Dimmer for Multi-gang		
		Single Gang	Two Ganged	More than 2 Gang
REZ-1T32	CFM26W/GX24Q	32	26	22
REZ-1T32	CFM32W/GX24Q	26	21	18
REZ-1T42	CFM42W/GX24Q	20	16	14
REZ-2Q26	CFQ26W/G24Q	17	14	12
REZ-132	F25T8	32	26	22
REZ-2S32	F25T8	17	13	12
REZ-3S32	F25T8	11	9	8
REZ-132	F32T8	28	22	19
REZ-2S32	F32T8	14	11	10
REZ-3S32	F32T8	9	8	7
REZ-1TTS40	FT40W/2G11	25	20	17
REZ-2TTS40	FT40W/2G11	12	10	9

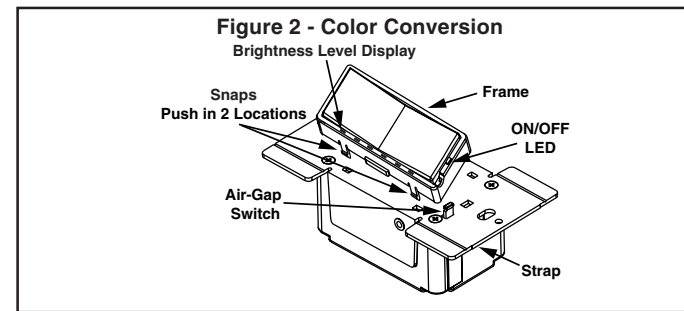
WIRE CONNECTOR / # OF CONDUCTOR COMBINATION CHART

1- #12 w/ 1 to 3 #14, #16 or #18	2- #14 w/ 1 #16 w/ 1 or 2 #18 or #20
2- #12 w/ 1 #14 w/ 1 #16 or #18	3- #14 w/ 1 or 2 #18 or #20
2- #12 w/ 1 #16 w/ 1 or 2 #18	4- #14 w/ 1 #16 or #18
2- #14 w/ 1 to 3 #16, #18 or #20	2- #16 w/ 1 #18 w/ 1 or 2 #20 or #22
4- #16 w/ 1 or 2 #18, #20 or #22	1- #14 w/ 1 #18 w/ 1 to 3 #20
1- #14 w/ 1 to 4 #16, #18 or #20	3- #14 w/ 1 #16 w/ 1 #18, #20, #22
2- #14 w/ 1 to 3 #16, #18 or #20	3- #14 w/ 1 #18 w/ 1 #20 or #22

COLOR CONVERSION PROCEDURE

The color of this device can be changed to suit your interior design requirements. Simply obtain a color conversion kit of the appropriate color from your Leviton distributor and proceed as follows (please note that wallplate must be removed).

1. Select the color of the face you desire.
2. The frame has snaps on its sides. Using a small screwdriver, **gently** remove the frame from the strap (refer to Figure 2).
3. Take the new frame and position it properly to the strap. Notice that the frame has a cut-out for the air-gap switch lever. Line up the plastic snaps with the square holes in the strap. Insert the snaps on one side of the frame into the strap.
4. Firmly press sideways and down to slip the other snaps into place. The frame snaps in with an audible click. Ensure that all four snaps are secure. Replace Decora® wallplate. **The color conversion is complete.**



TO PROGRAM

Programming scenes occurs at the Scene Controller for this dimmer. If programming is required, refer to Scene Controller's instruction sheet.

TO OPERATE

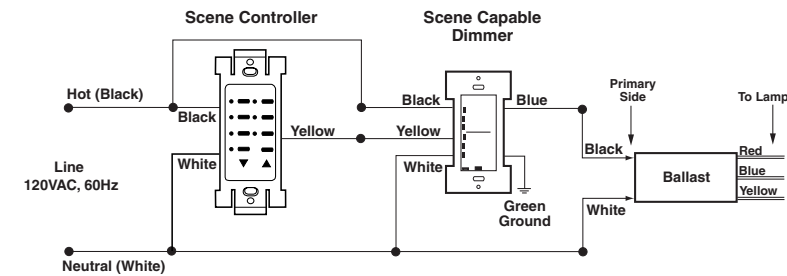
- ON:** Tap the upper half of the rocker. The lights will brighten to the last set light level.
OFF: Tap the lower half of the rocker. The lights will dim to OFF.
BRIGHTEN: Press and hold the upper half of the rocker to the desired light level.
FULL BRIGHT: If the lights are OFF, double tap the upper half of the rocker. The lights will turn ON FULL BRIGHT. If the lights are ON, tap the upper half of the rocker once. The lights will turn ON FULL BRIGHT. The previous light level will remain in memory upon next ON operation (see above).
FAST OFF: Double tap the bottom half of the rocker. The lights will immediately turn OFF.
DIM: Press and hold the lower half of the rocker to the desired level.
BRIGHTNESS LEVEL DISPLAY: Indicates the level of brightness when the lights are ON. Indicates the previous level of brightness when the lights are OFF (refer to Figure 1).
NOTE: To alert you that there is power to the dimmer when the load is OFF, the ON/OFF LED remains ON. To alert you that the load is ON, the ON/OFF LED remains OFF.
NOTE: If lights are OFF, regardless if you tap or press and hold the upper half of the rocker, the lights will go to last set light level.
NOTE: If a power interruption should occur while the device is ON, the light load will return to its previous light level when power is restored within 10 seconds.

TROUBLESHOOTING

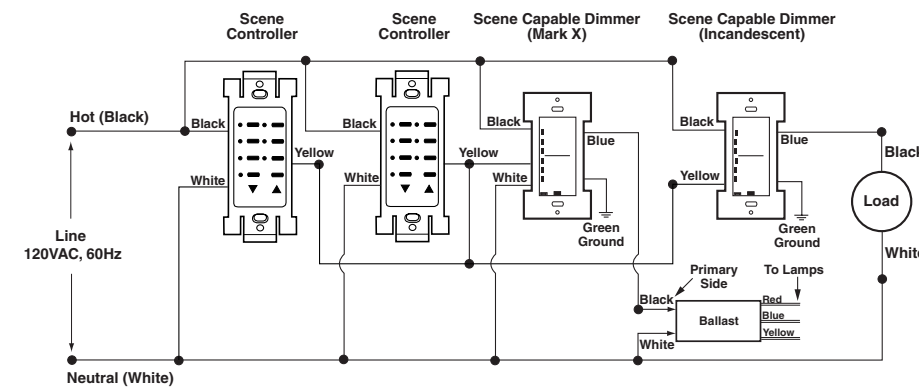
- Light does not turn ON and ON/OFF LED does not turn ON
 - Circuit breaker or fuse has tripped.
 - Lamp switch is OFF, if applicable.
 - Ballast has failed.
 - Ballast is not connected to line Neutral.
 - Air gap switch is open.
- Dimmer does not operate
 - Dimmer BLACK wire miswired to ballast and Dimmer BLUE wire miswired to LINE Hot.
- Light turns ON and Dimmer works, but Controller does not work
 - There are no connections from Controller to Dimmer (YELLOW wire).
 - Controller is miswired.
- Lights Flickering
 - Lamp has a bad connection.
 - Lamp power is less than 60VA.

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Wiring Diagram 1 – Two Location Control Application



Wiring Diagram 2 – Scene Dimming: Fluorescent and Line Voltage with Multiple Scene Controllers and Scene Dimmers



Wiring Diagram 3 – Scene Dimming: Fluorescent and Line Voltage with Multiple Scene Controllers and Dimmer on Two Circuits

