EM-LIN
INSTALLATION INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

Please read and save these instructions. Read carefully before using product. Protect yourself and others by observing all safety information, warnings and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instruction sheet for future reference.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

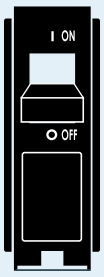
All electrical connections must be in accordance with local codes, ordinances and the National Electric Code. This product operates on 120-347V AC; always confirm the maximum wattage of the linear strip does not exceed the maximum wattage of the circuit it is connected to. If you are unfamiliar with methods of installing electrical wiring, secure the services of a qualified licensed electrician. Prior to starting the installation, disconnect the power by turning off the circuit breaker or removing the appropriate fuse. **(Turning off power using the light switch is not sufficient to prevent electrical shock).**

- This emergency battery provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both normal and emergency source by turning off the A.C. branch circuit and by disconnecting the unit connector.
- Do NOT attempt to service the battery. A sealed, no maintenance battery is used that is not field replaceable. Replace the entire unit when necessary. The use of accessory equipment is NOT recommended by the manufacturer. It may cause an unsafe condition, void warranty and result in non-compliance with UL specifications.
- The emergency battery requires an un-switched AC power source of 100-277VAC, 50/60Hz or 100-347VAC, 50/60Hz. Verify the correspondent electrical rating at the LED fixture before servicing. Both electrical rating will supply power under an output voltage of 25-175VDC in emergency mode for at least 90 minutes. (See individual units for output specifications).
- Battery pack should be charged for 24 hours every 3 months during storage.
- Disconnect the battery pack before shipping and storing.
- The battery in this unit may not be fully charged. After electricity is connected to the unit for at least 24 hours. Then normal operation of this unit should take effect.
- For use in 30°F (0°C) min. to 122°F (50°C) max. ambient temperatures.
- Flexible metal conduit is optional depending on installation environment.
- The emergency battery should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel. For LED fixture power higher than or equal to rating of the emergency battery pack.
- Do NOT use this equipment for anything other than its intended use. Equipment is only used for LED lighting emergency backup.
- Do NOT mount near gas or electric heaters. Do NOT let power supply cords touch hot surfaces.
- Do NOT make or leave any other open holes in the wiring enclosure or electrical component enclosure during installation.
- This fixture is for use with grounded, UL listed, dry location rated and indoor fixture. Not for use in heated air outlets or hazardous locations.
- Do NOT use outdoors!

BEFORE PROCEEDING TO NEXT PAGE

SAVE THESE INSTRUCTIONS

ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY, ACTUAL PRODUCT MAY VARY



TURN OFF ELECTRICITY

At main fuse box (or circuit breaker box) before beginning installation by switching circuit breaker off or removing fuse.
MIN 90° C SUPPLY CONDUCTORS



TOOLS NEEDED

May require teamwork and working on ladders



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WIRING METHODS

TYPICAL FOR P22 FIXTURES

Single load <15W or <25W on/off non-dimming **– SEE PAGE 3**
Multiple loads <15W or <25W on/off non-dimming **– SEE PAGE 4**
Single load <15W or <25W 0-10V dimming **– SEE PAGE 5**
Multiple loads <15W or <25W 0-10V dimming **– SEE PAGE 6**

TYPICAL FOR LIN/LINSL FIXTURES

Single load >15W or <25W on/off non-dimming **– SEE PAGE 7**
Multiple loads >15W or <25W on/off non-dimming **– SEE PAGE 8**
Single load >15W or <25W 0-10V dimming **– SEE PAGE 9**
Multiple loads >15W or <25W 0-10V dimming **– SEE PAGE 10**

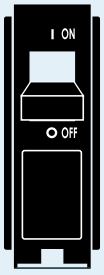
TYPICAL FOR CYLINDRO FIXTURES

Single load <8W on/off non-dimming **– SEE PAGE 11**
Multiple loads <8W on/off non-dimming **– SEE PAGE 12**
Single load <8W 0-10V dimming **– SEE PAGE 13**
Multiple loads <8W 0-10V dimming **– SEE PAGE 14**

TYPICAL FOR OUTDOOR CLASS 2 UNIVERSAL

DIMMING 30W, 60W, 96W, 192W, 288W, 384W
24V PS WITH JUNCTION BOX
DL-PS-XX/24-JB-OD-UNI-DIM

Single load >15W on/off switch **- SEE PAGE 15**
Single Load <15W on off switch **- SEE PAGE 16**
Single load >15W 0-10 dimming **- SEE PAGE 17**
Single load <15W 0-10 dimming **- SEE PAGE 18**
Single load <25W on/off switch **- SEE PAGE 19**
Single load <25W on/off switch **- SEE PAGE 20**
Single load >25W 0-10 dimming **- SEE PAGE 21**
Single load <25W 0-10 dimming **- SEE PAGE 22**



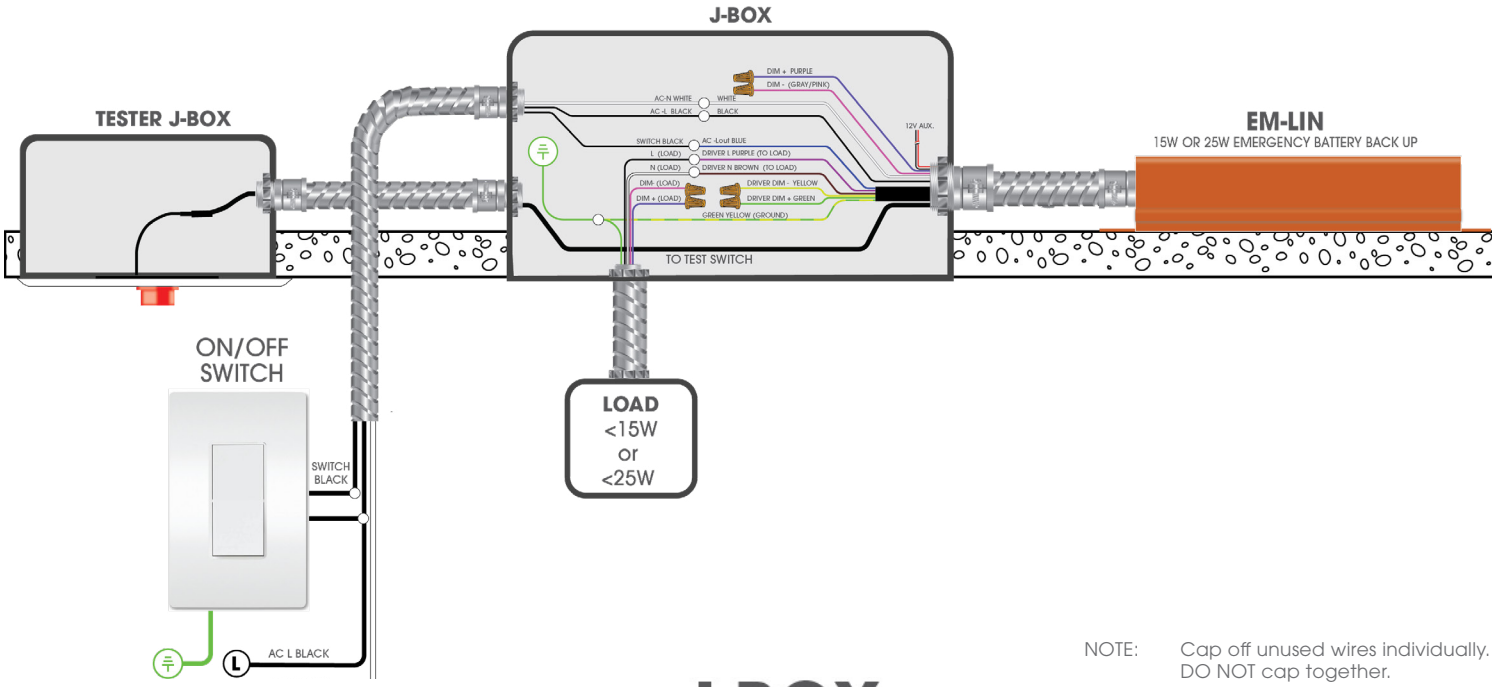
TURN OFF ELECTRICITY

At main fuse box (or circuit breaker box) before beginning installation by switching circuit breaker off or removing fuse.
MIN 90° C SUPPLY CONDUCTORS

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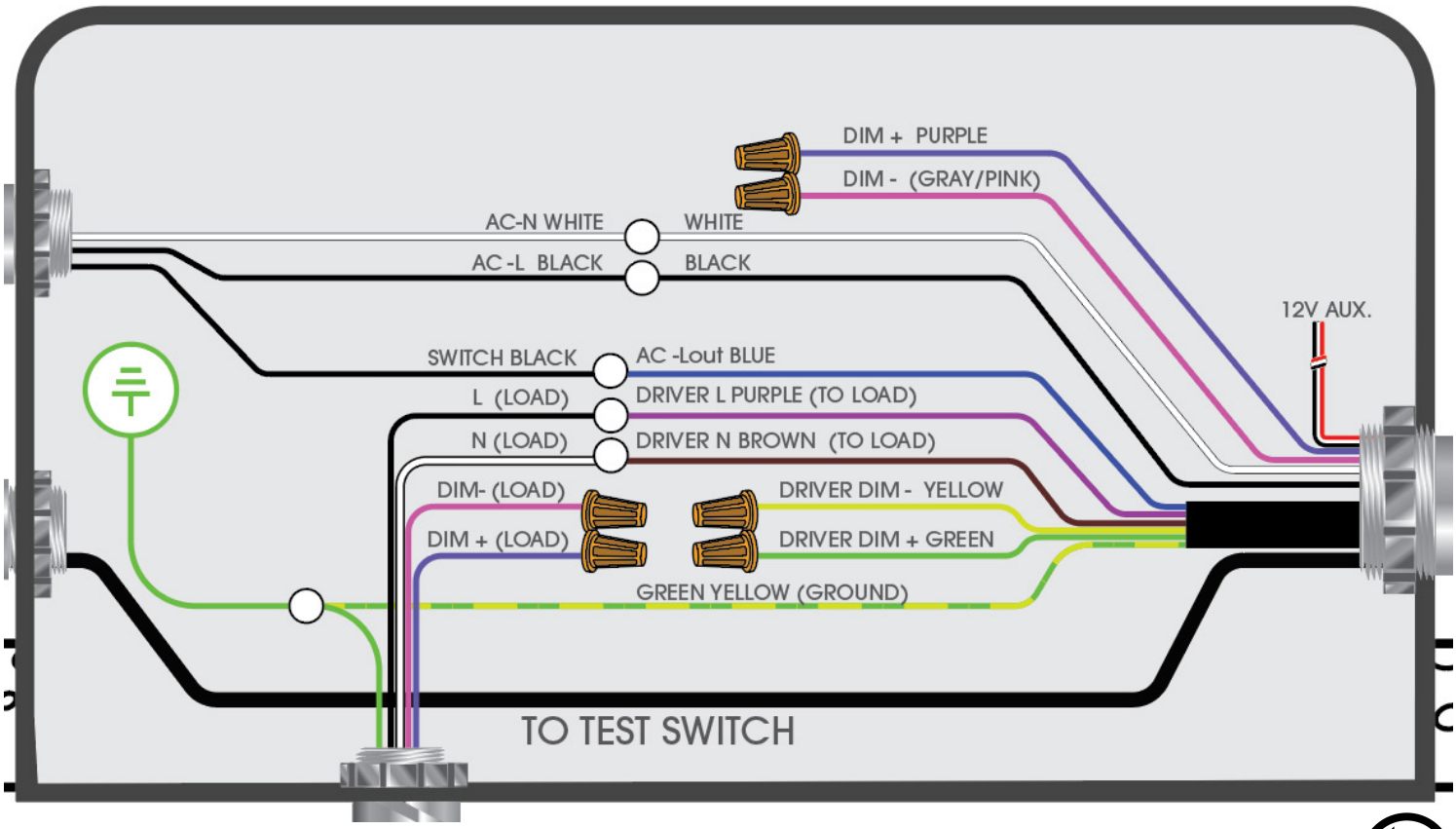
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SINGLE LOAD <15W or <25W ON/OFF ONLY



NOTE: Cap off unused wires individually. DO NOT cap together.

J-BOX



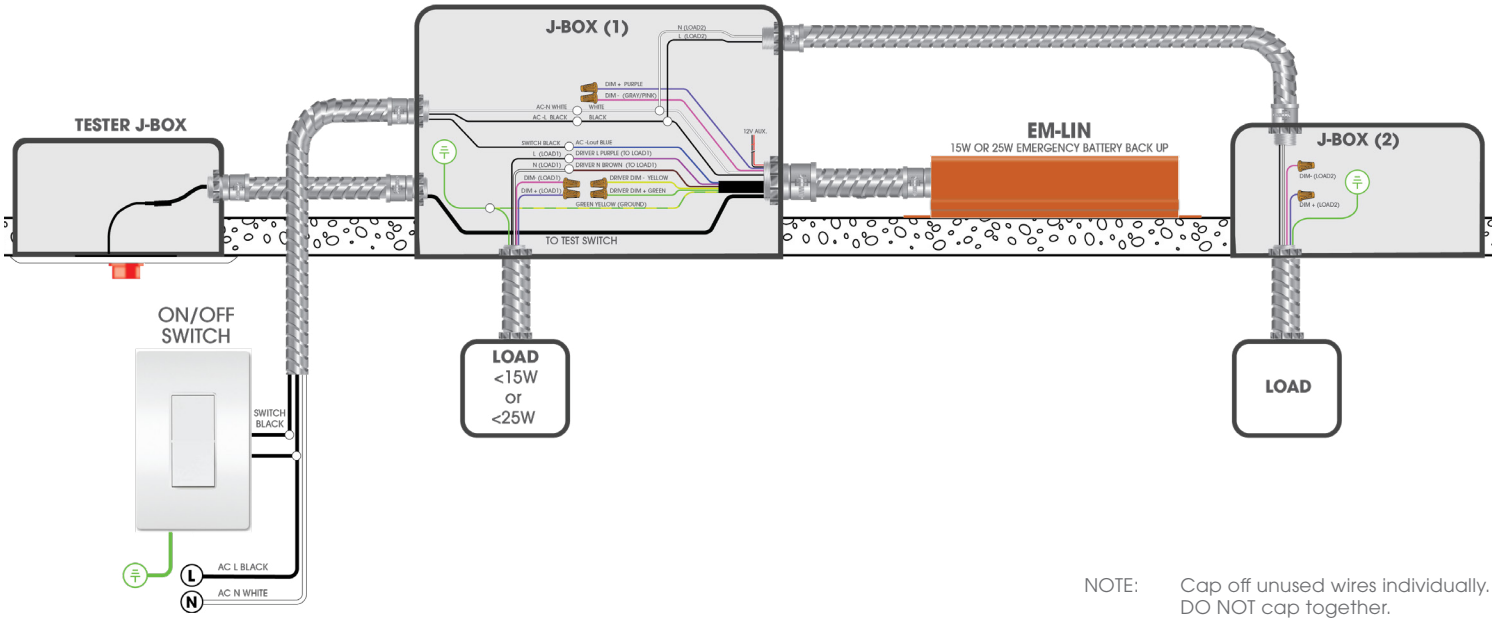
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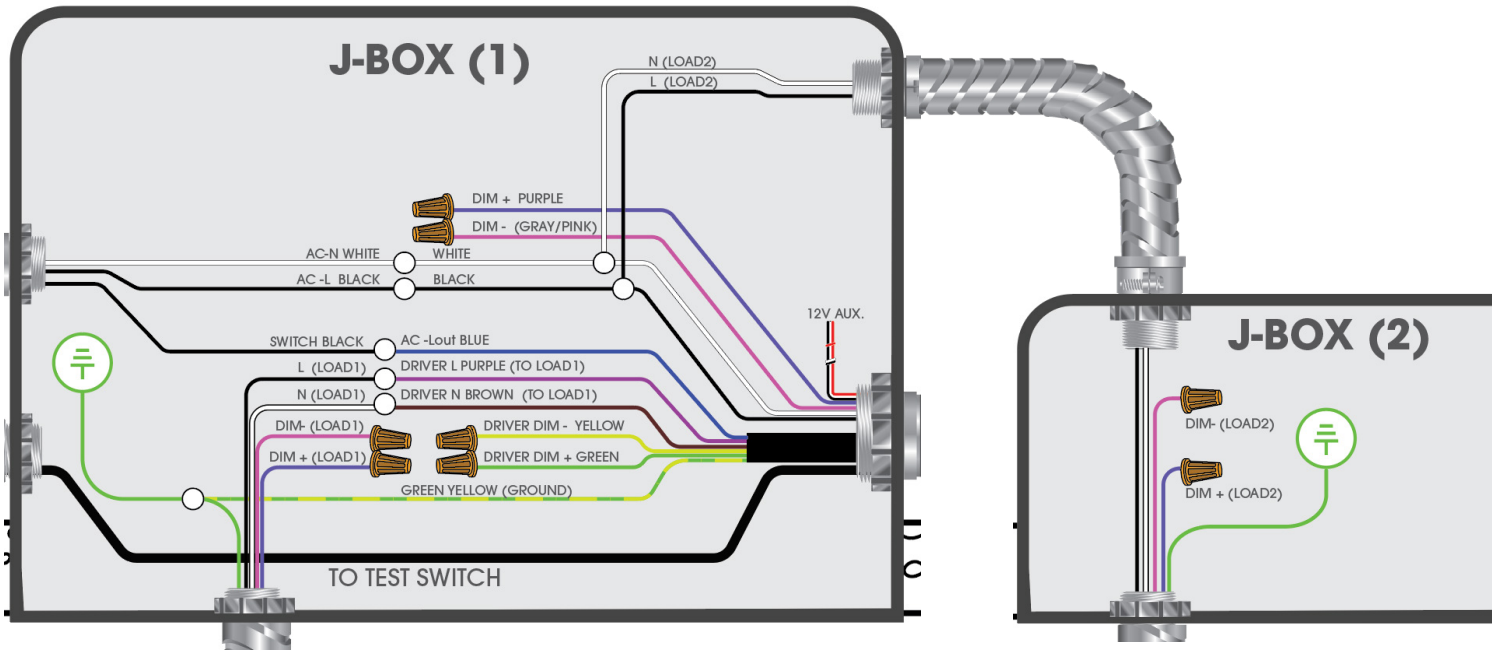
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MULTIPLE LOADS <15W or <25W ON/OFF ONLY

Multiple loads wiring - only load 1 is connected to emergency battery



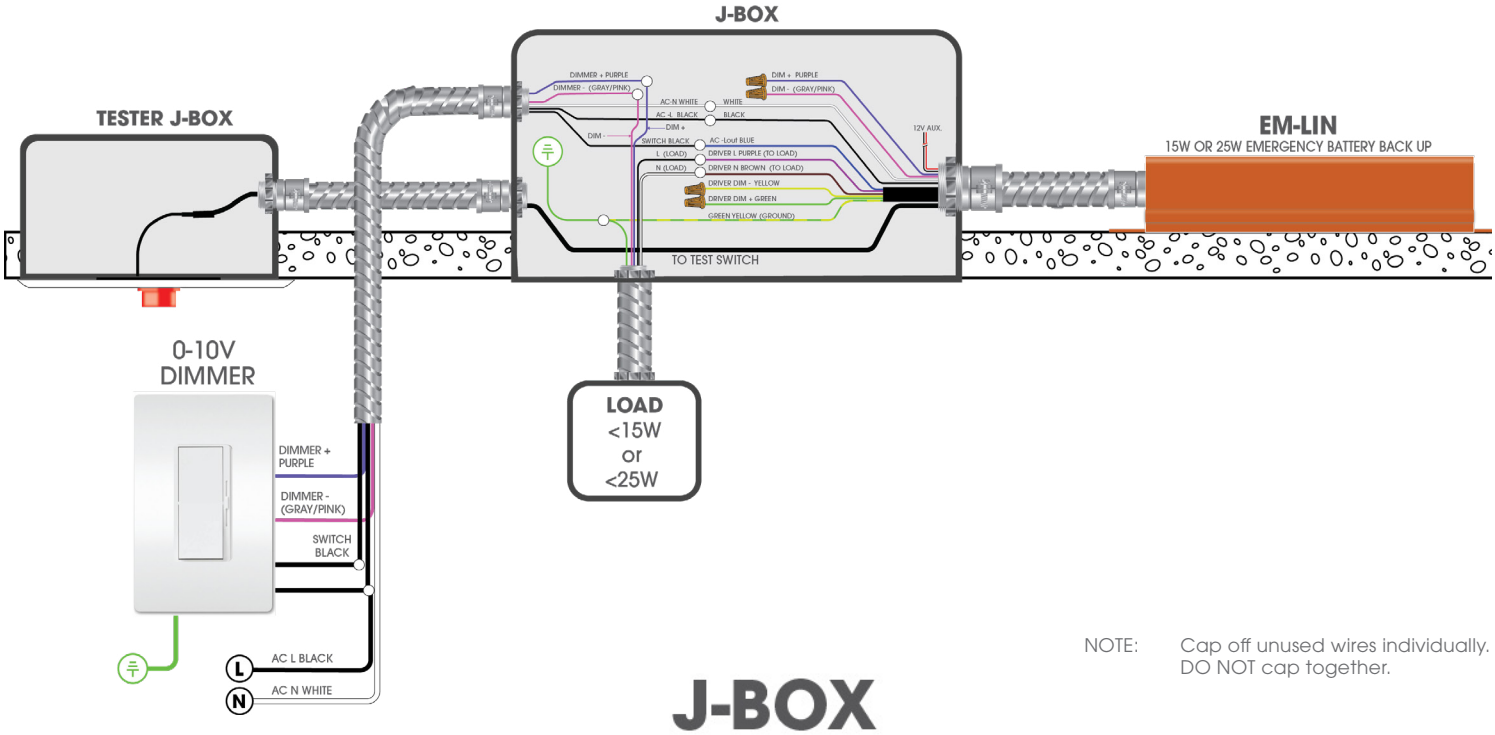
NOTE: Cap off unused wires individually.
DO NOT cap together.



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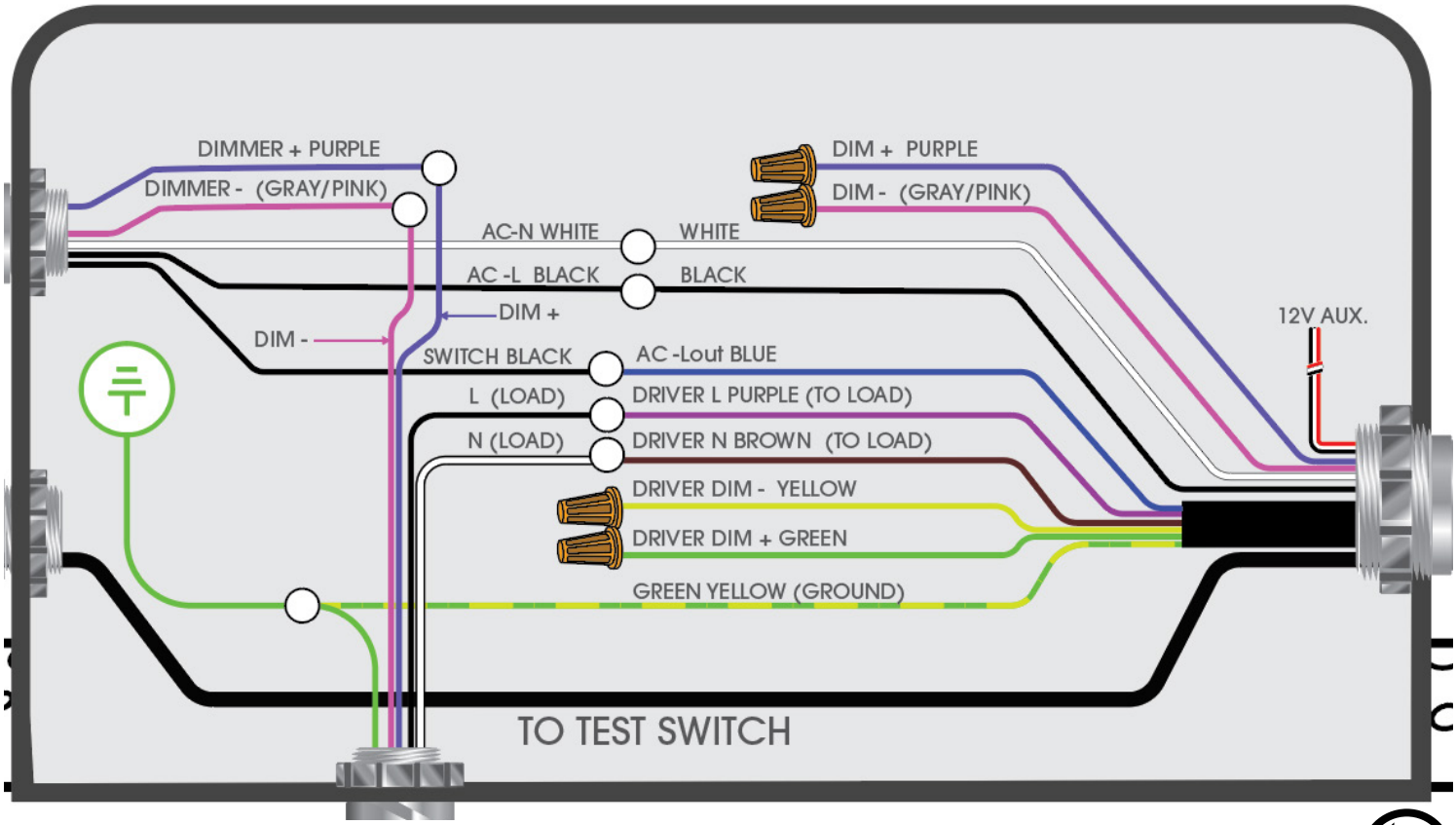
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SINGLE LOAD <15W or <25W 0 -10V DIMMING



NOTE: Cap off unused wires individually. DO NOT cap together.

J-BOX



p2

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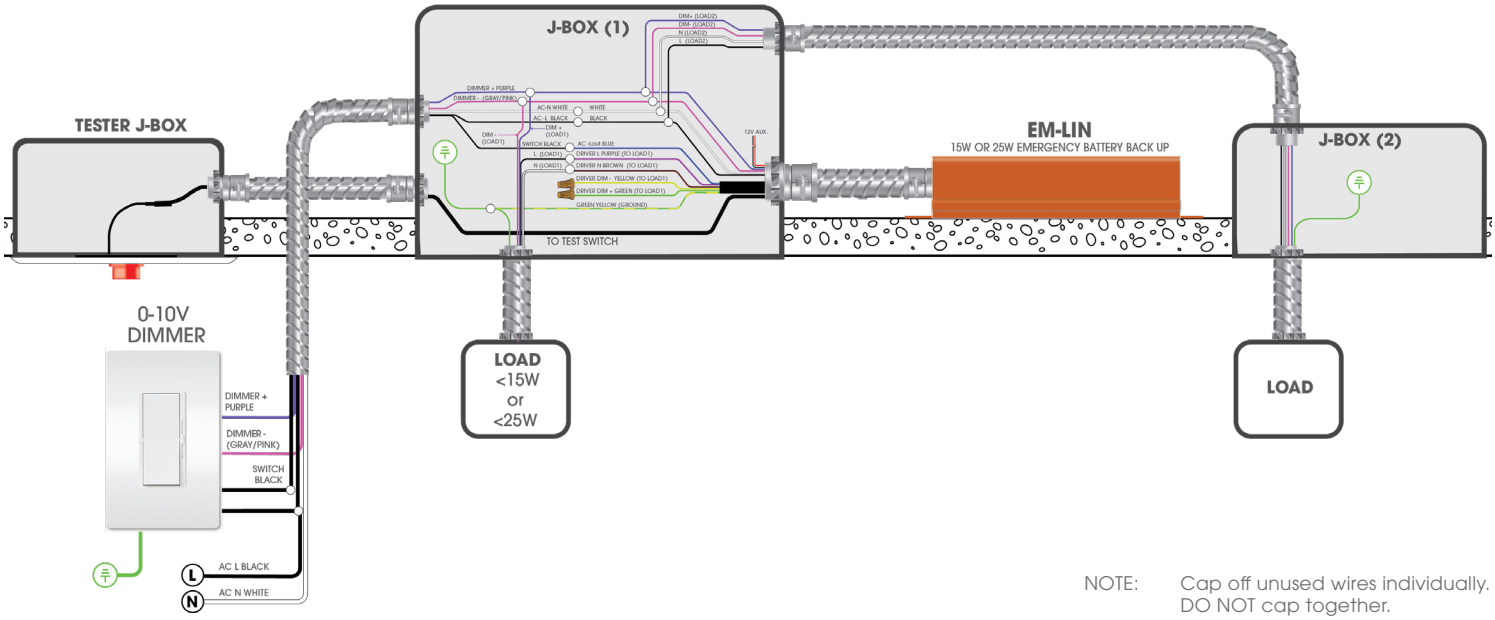
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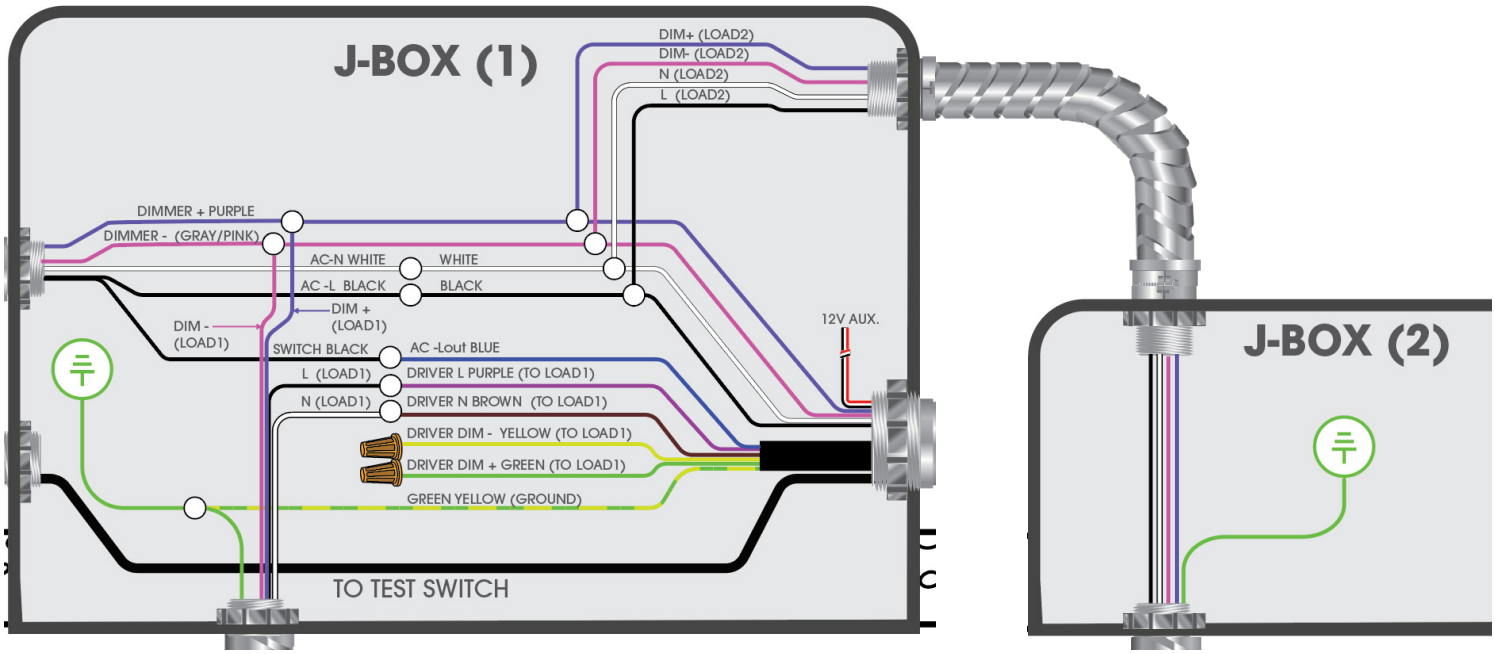
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MULTIPLE LOADS <15W or <25W 0-10V DIMMING

Multiple loads wiring - only load 1 is connected to emergency battery

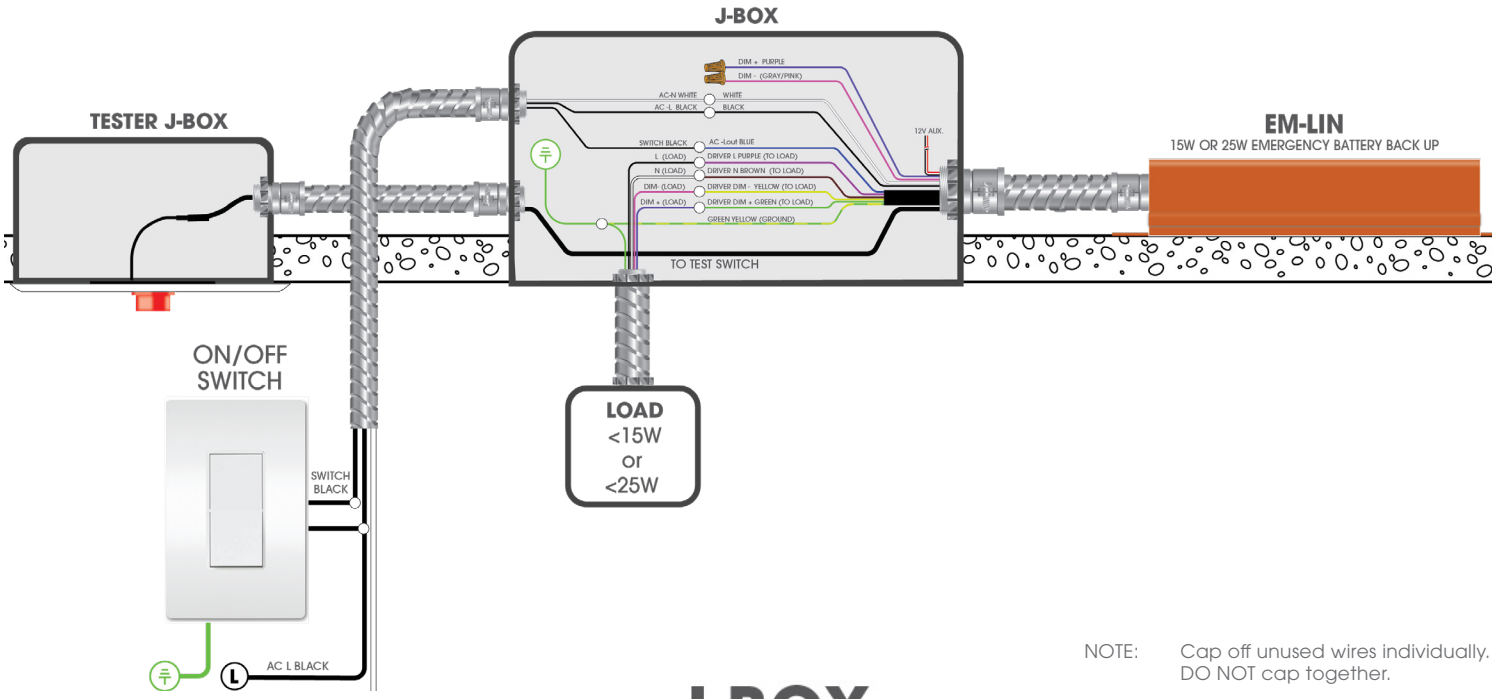


NOTE: Cap off unused wires individually. DO NOT cap together.



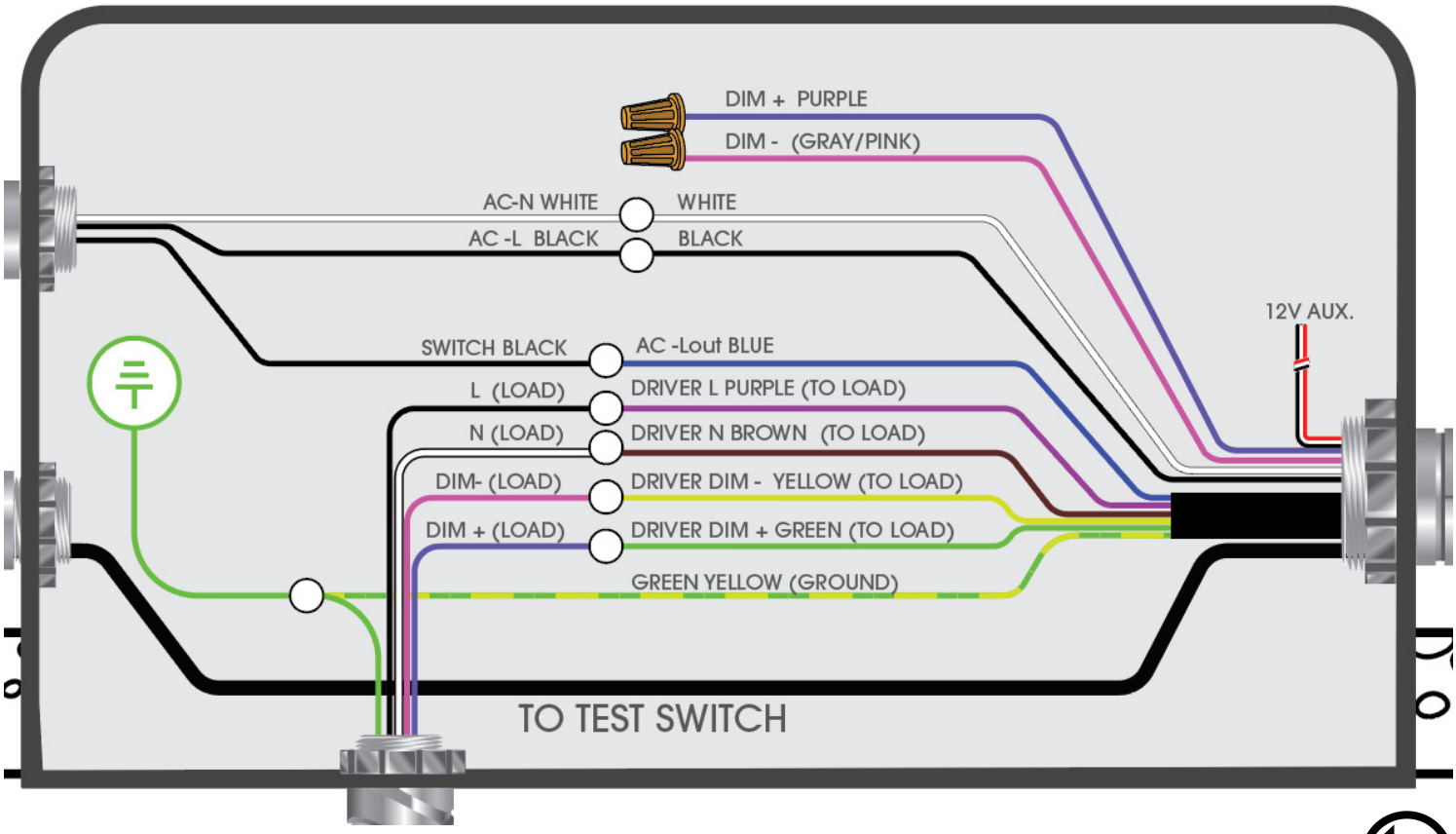
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SINGLE LOAD >15W or <25W ON/OFF ONLY



NOTE: Cap off unused wires individually. DO NOT cap together.

J-BOX



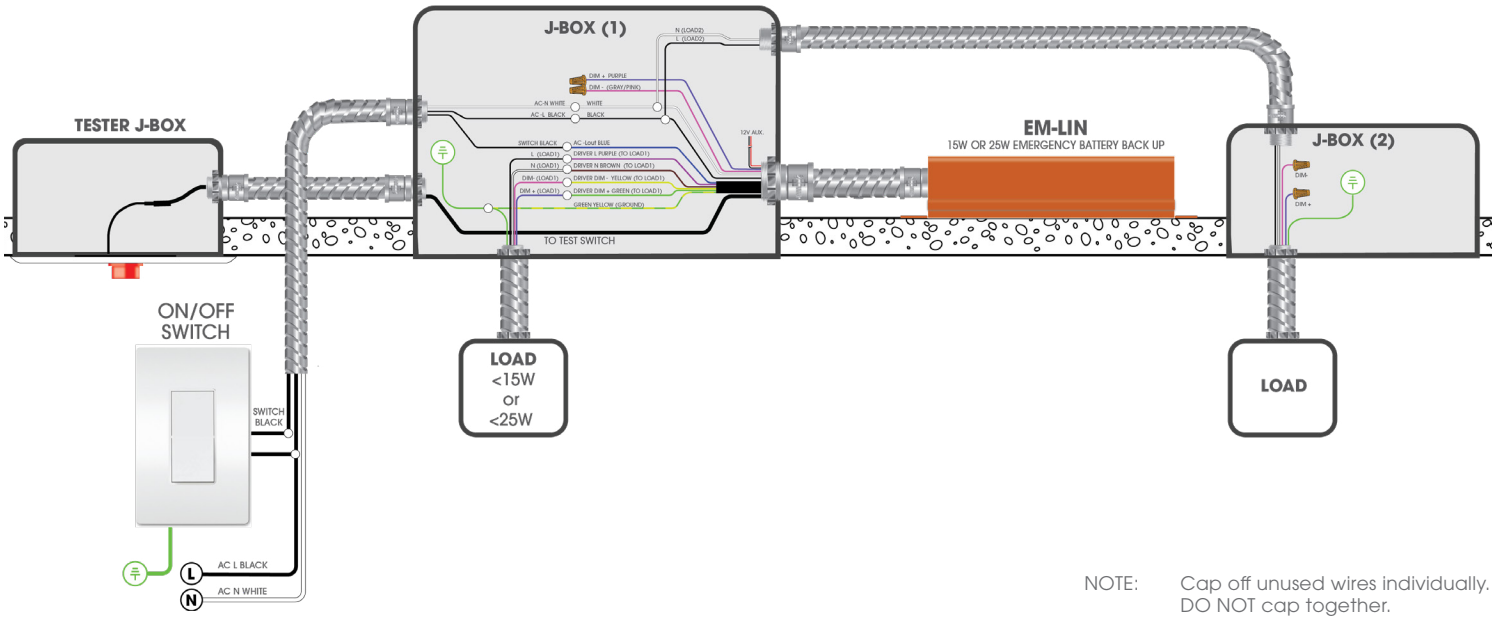
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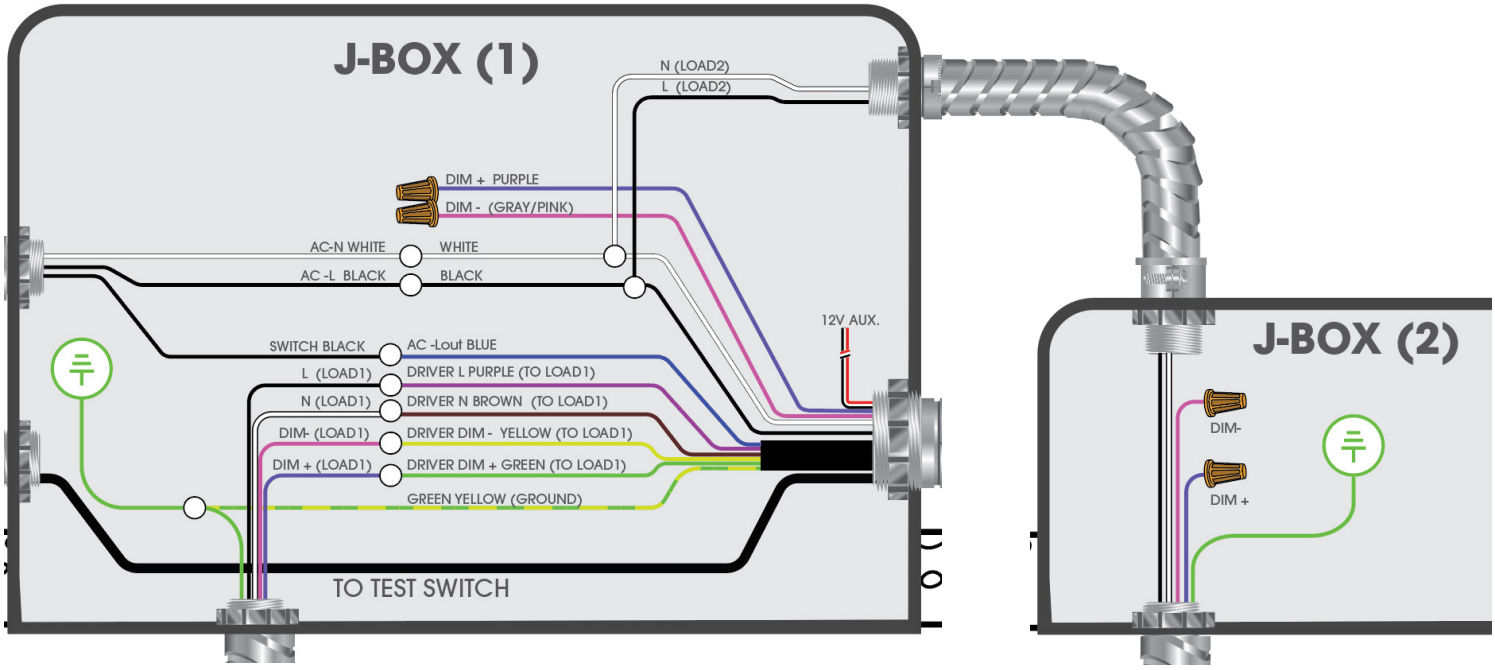
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MULTIPLE LOADS >15W or <25W ON/OFF ONLY

Multiple loads wiring - only load 1 is connected to emergency battery



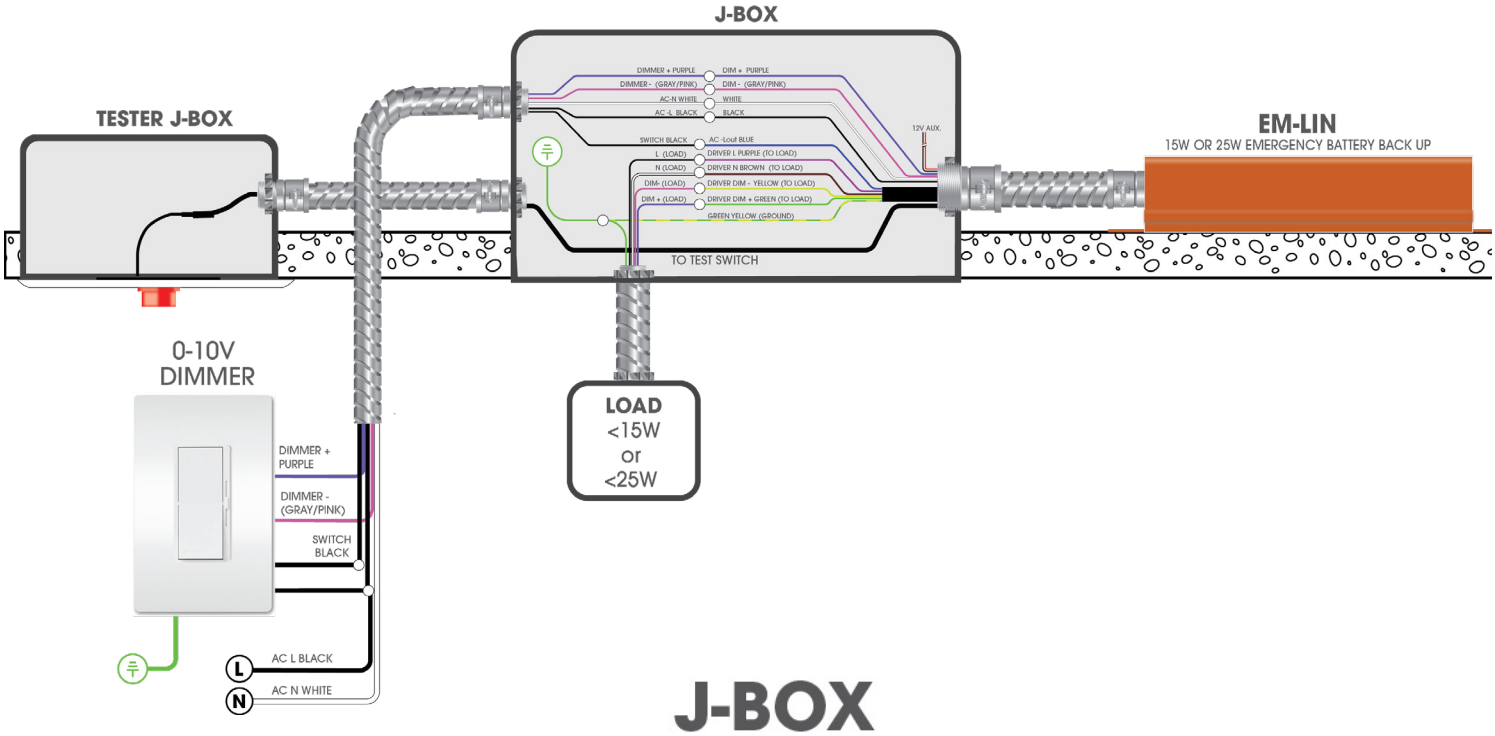
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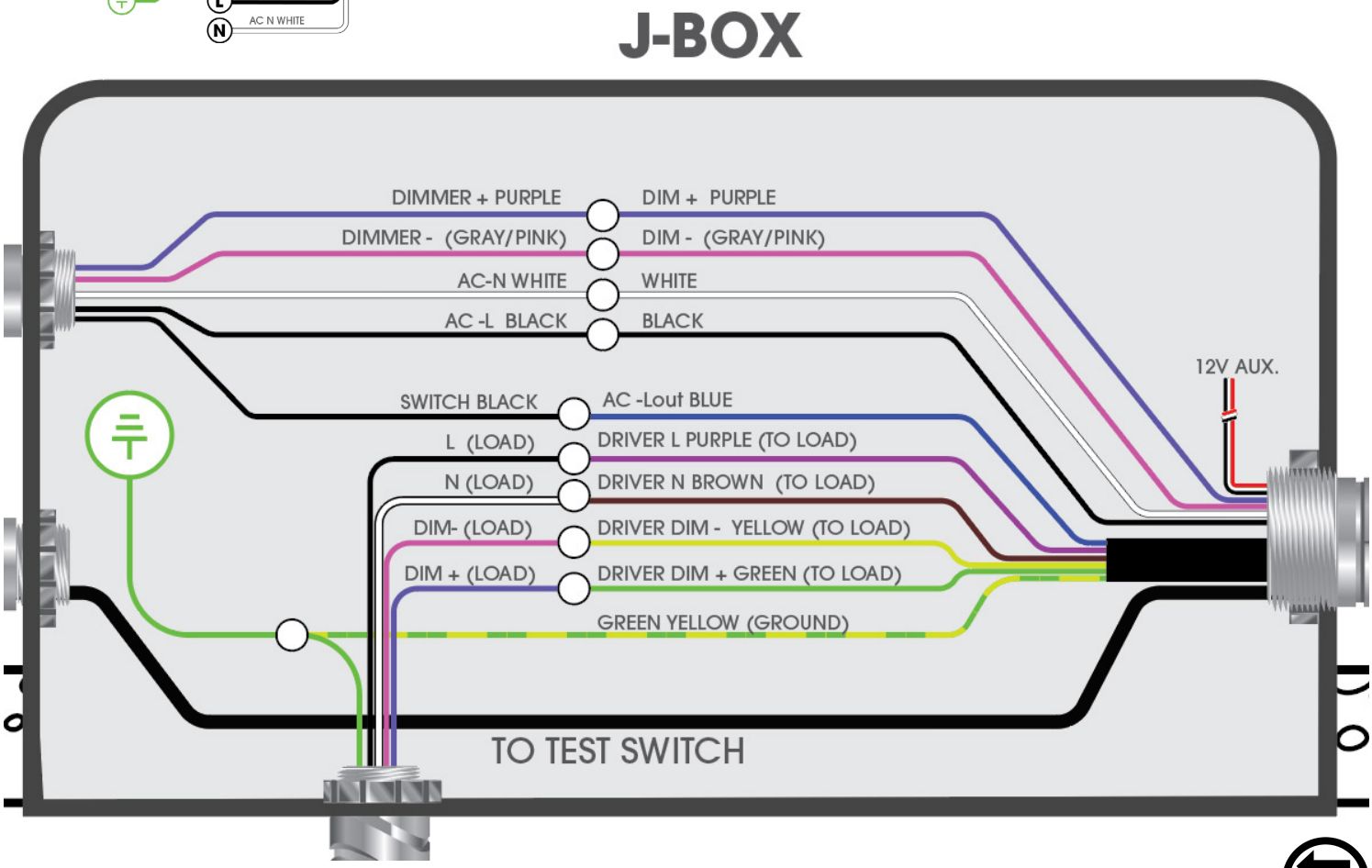


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SINGLE LOAD >15W or <25W 0-10V DIMMING



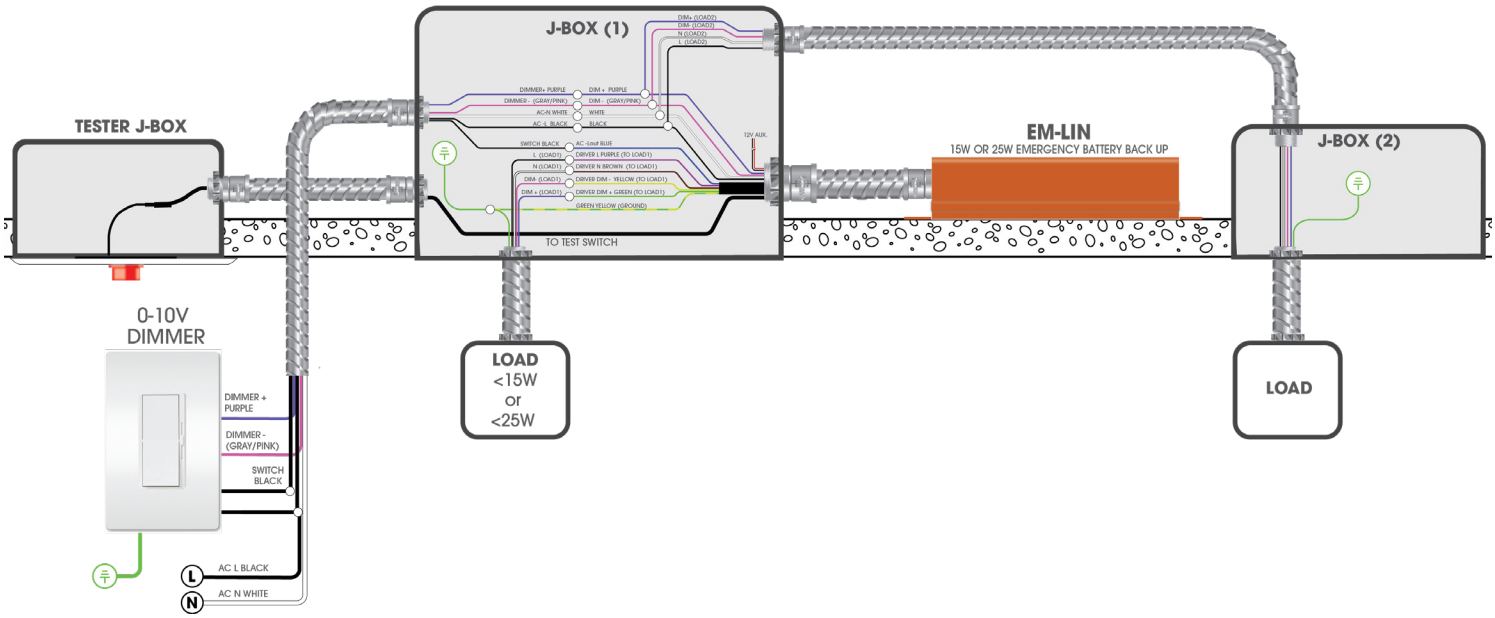


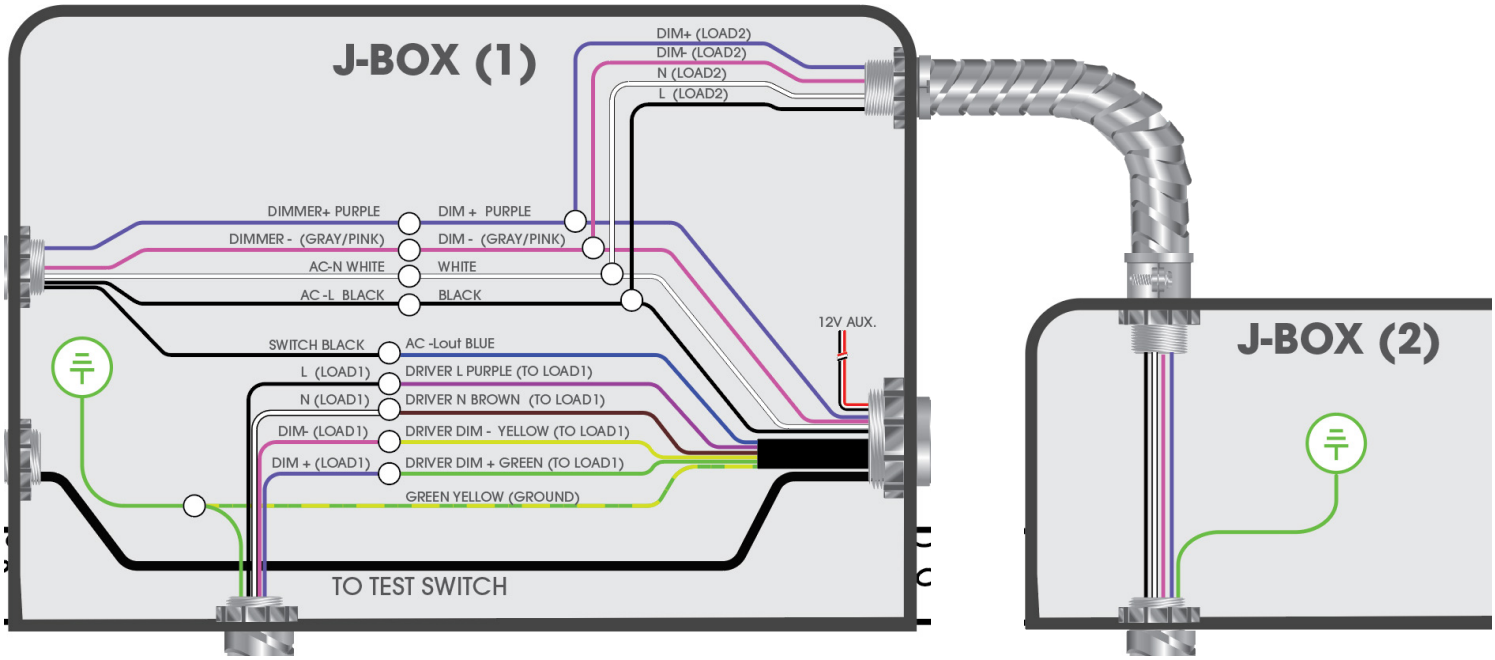
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MULTIPLE LOADS >15W or <25W 0-10V DIMMING

Multiple loads wiring - only load 1 is connected to emergency battery



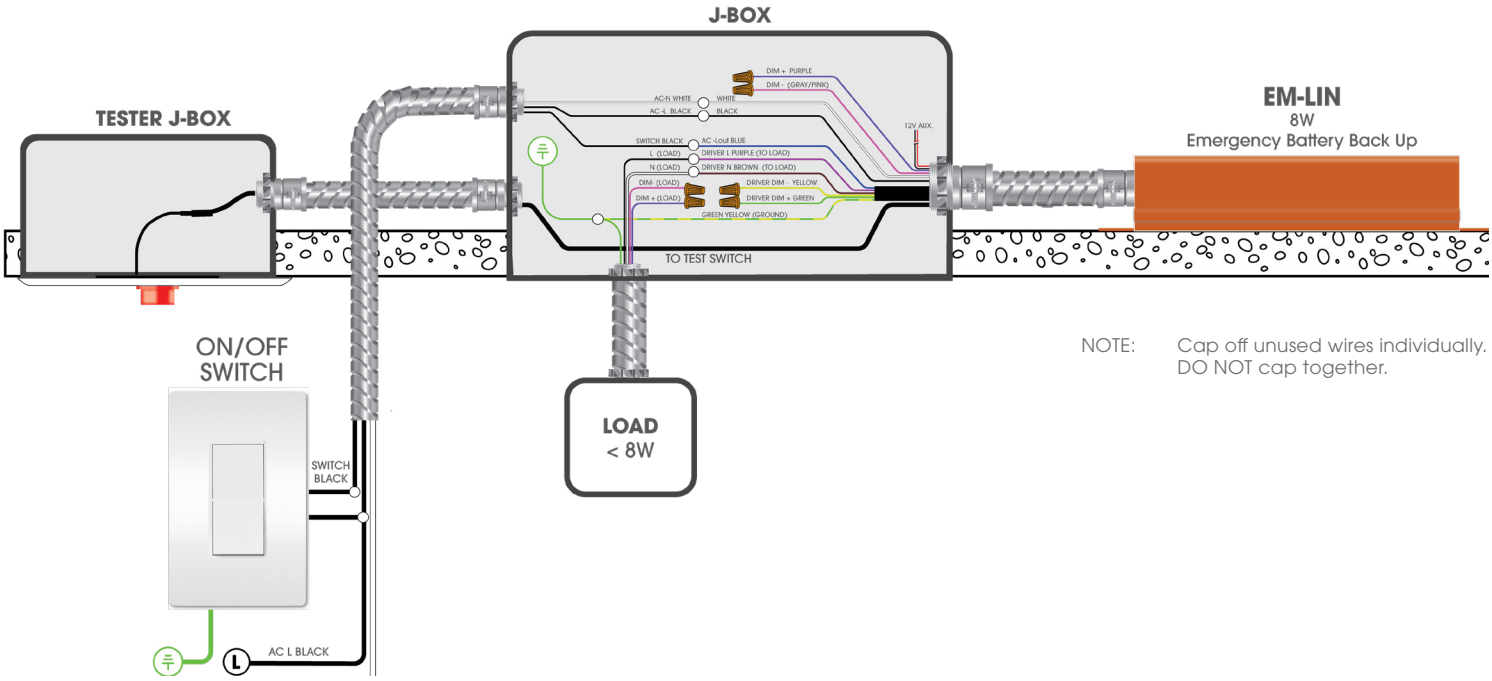


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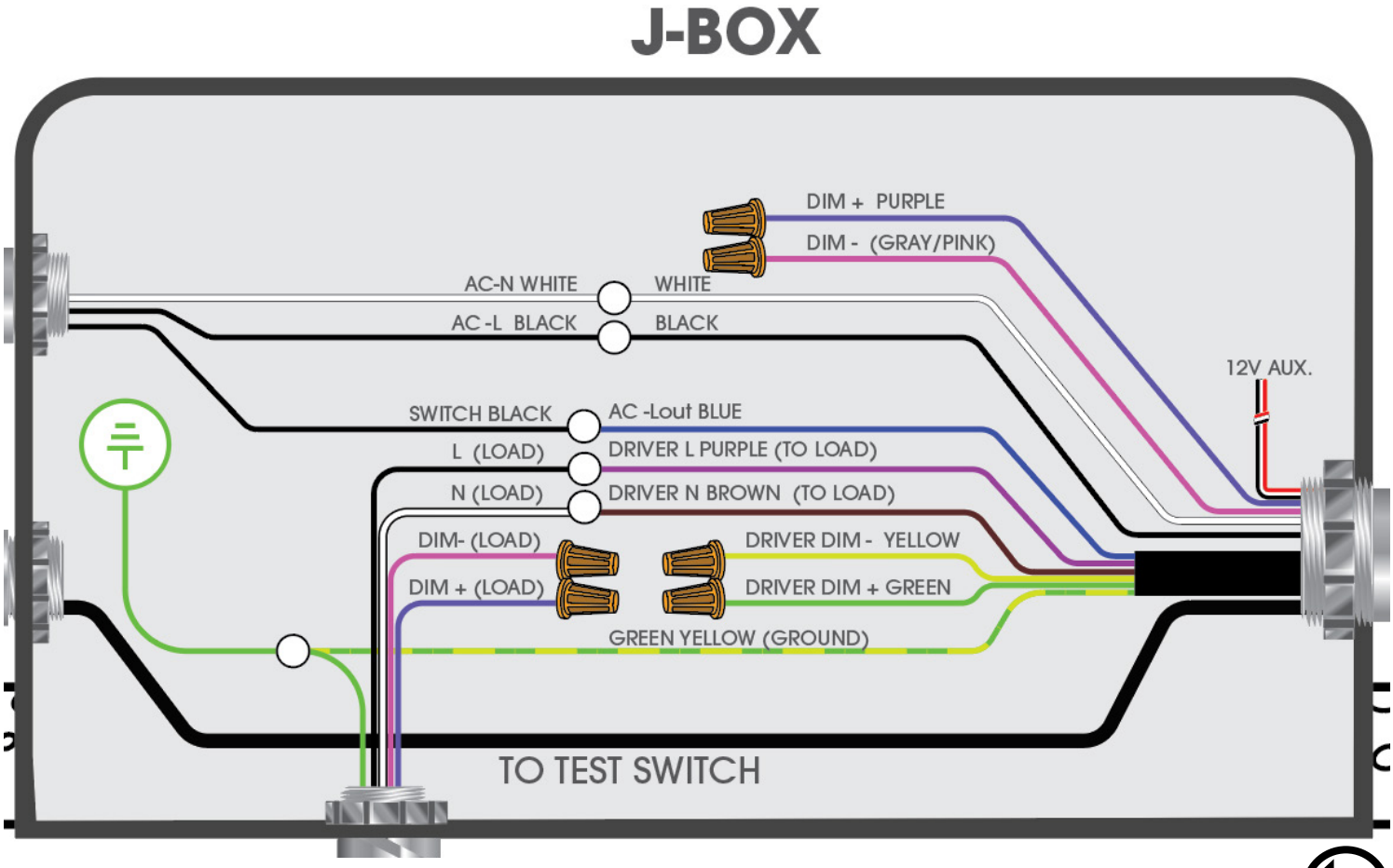
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SINGLE LOAD <8W ON/OFF ONLY



NOTE: Cap off unused wires individually.
DO NOT cap together.

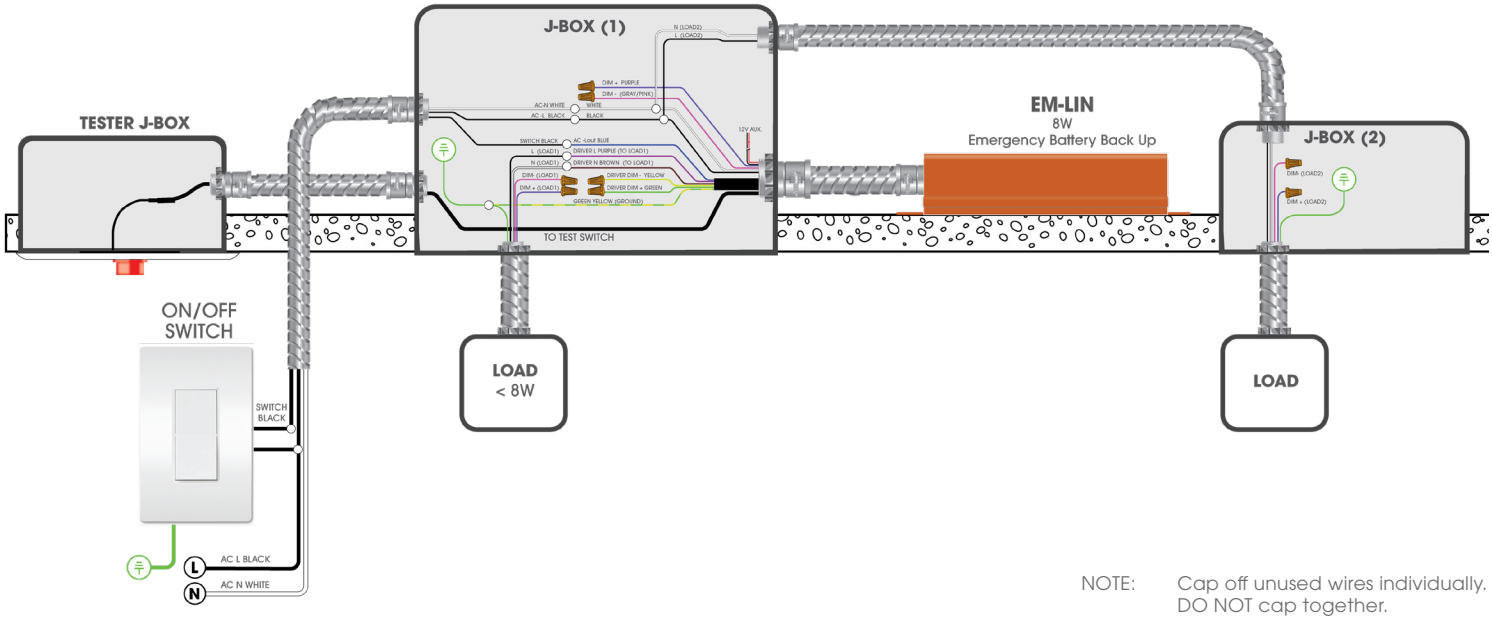


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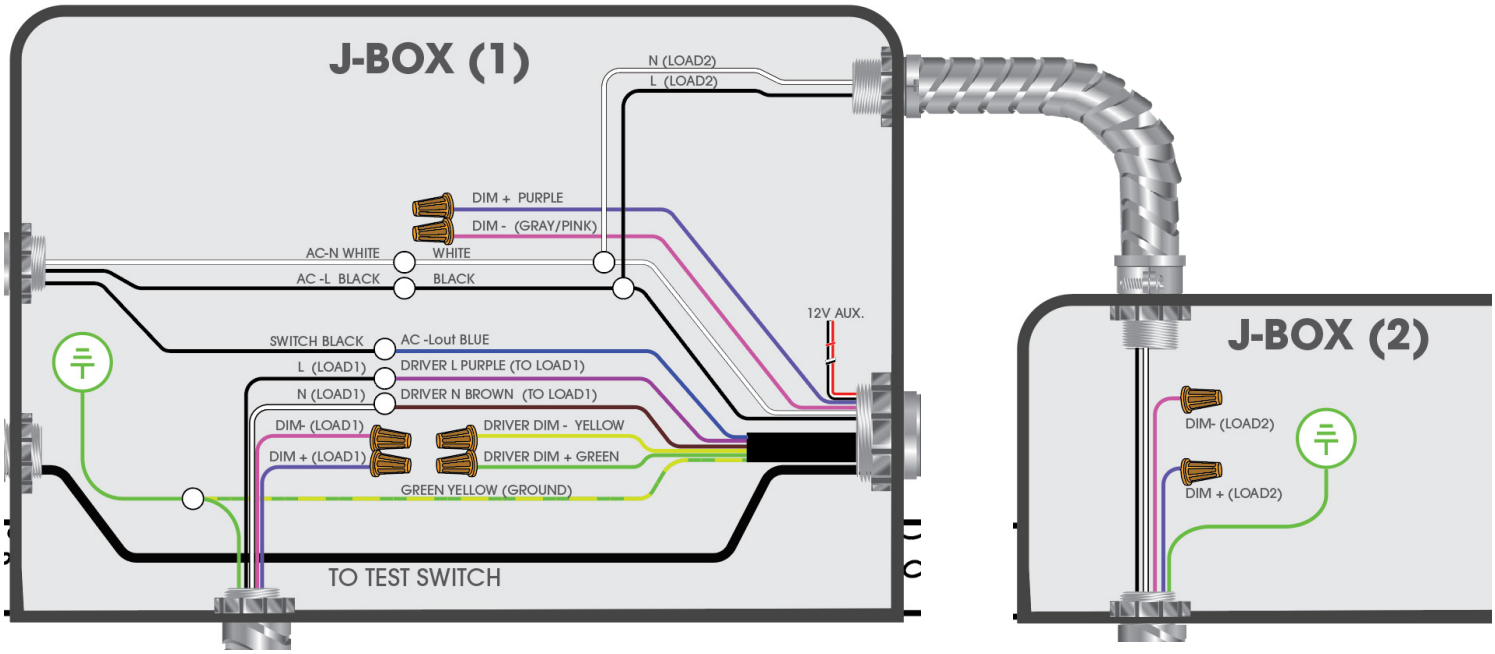
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MULTIPLE LOADS <8W ON/OFF ONLY

Multiple loads wiring - only load 1 is connected to emergency battery



NOTE: Cap off unused wires individually.
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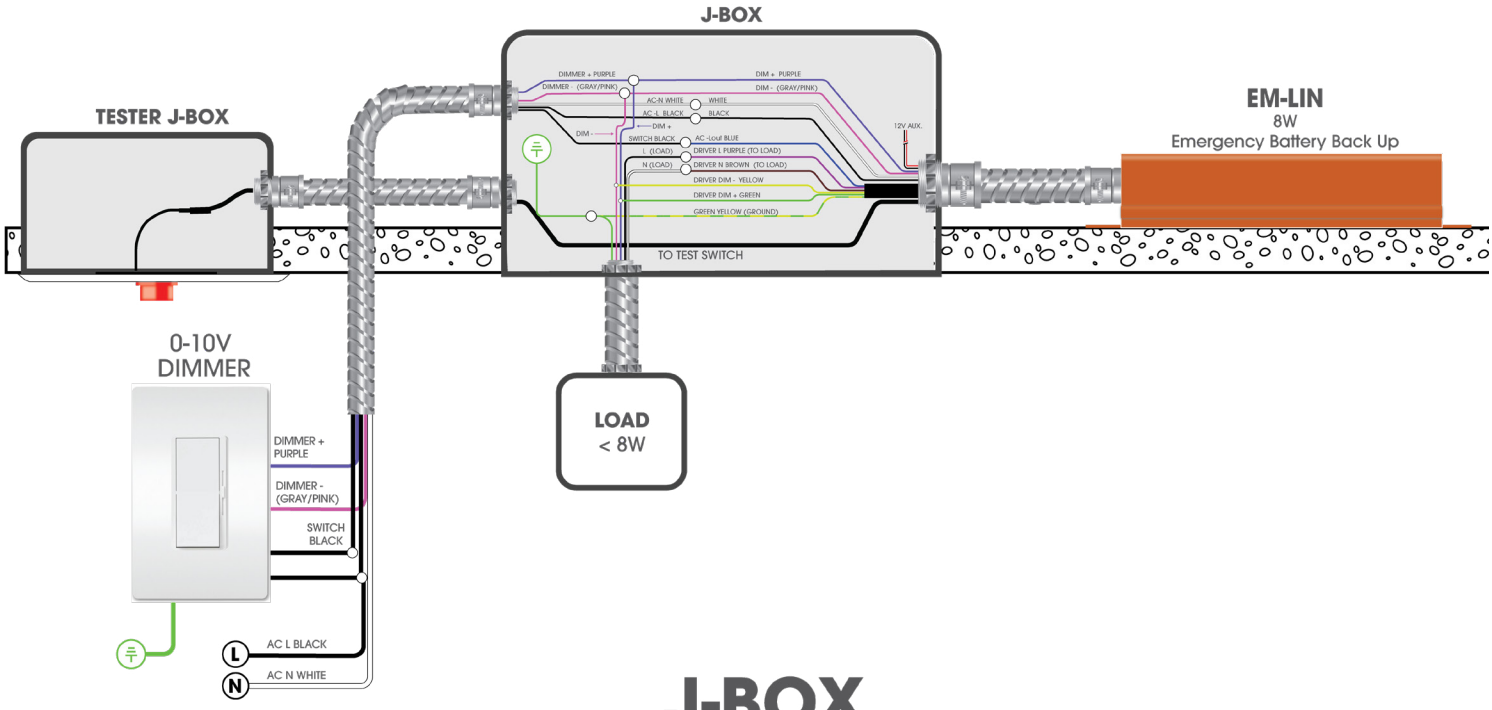


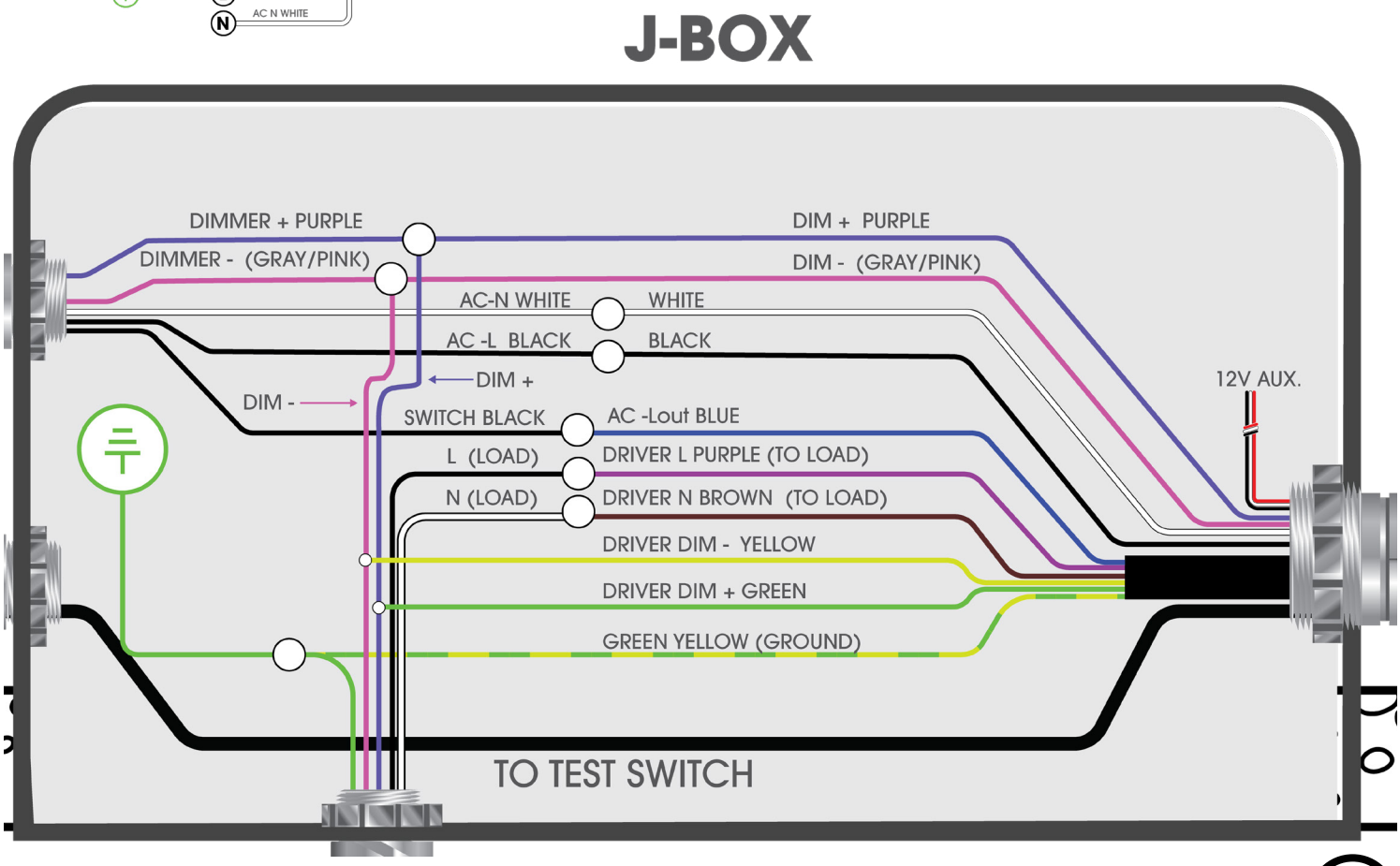
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SINGLE LOAD <8W 0 -10V DIMMING





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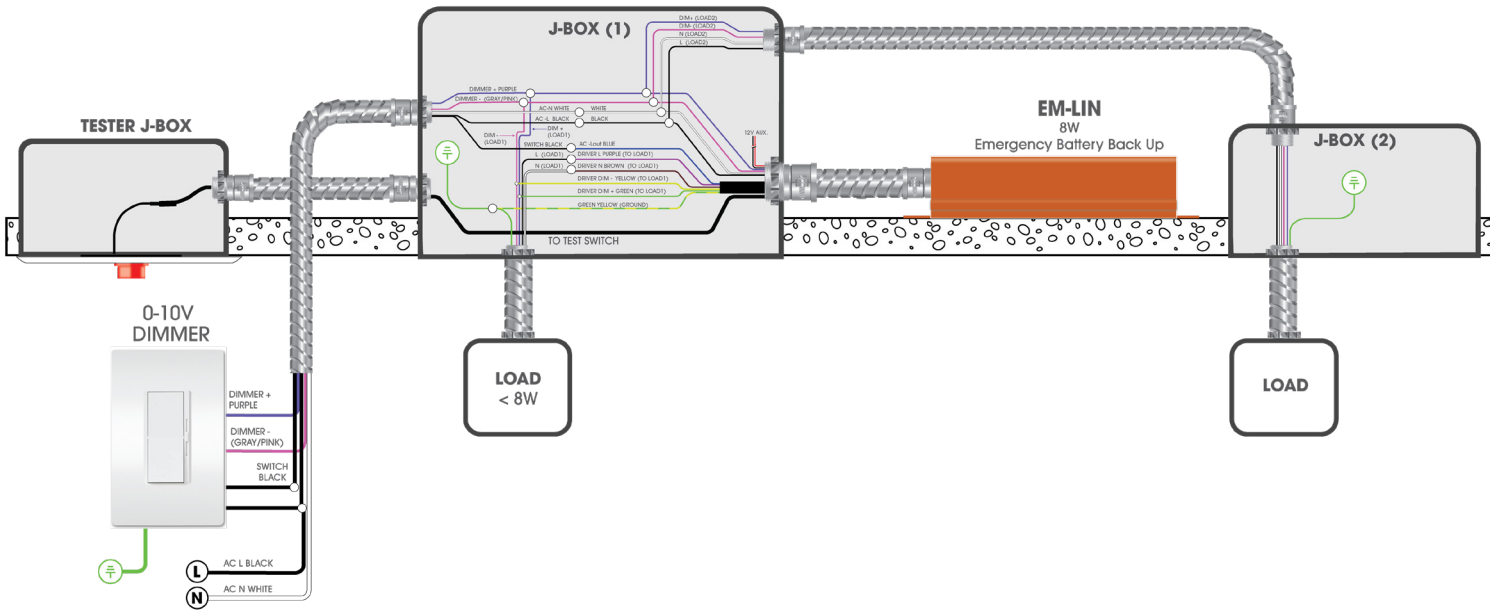
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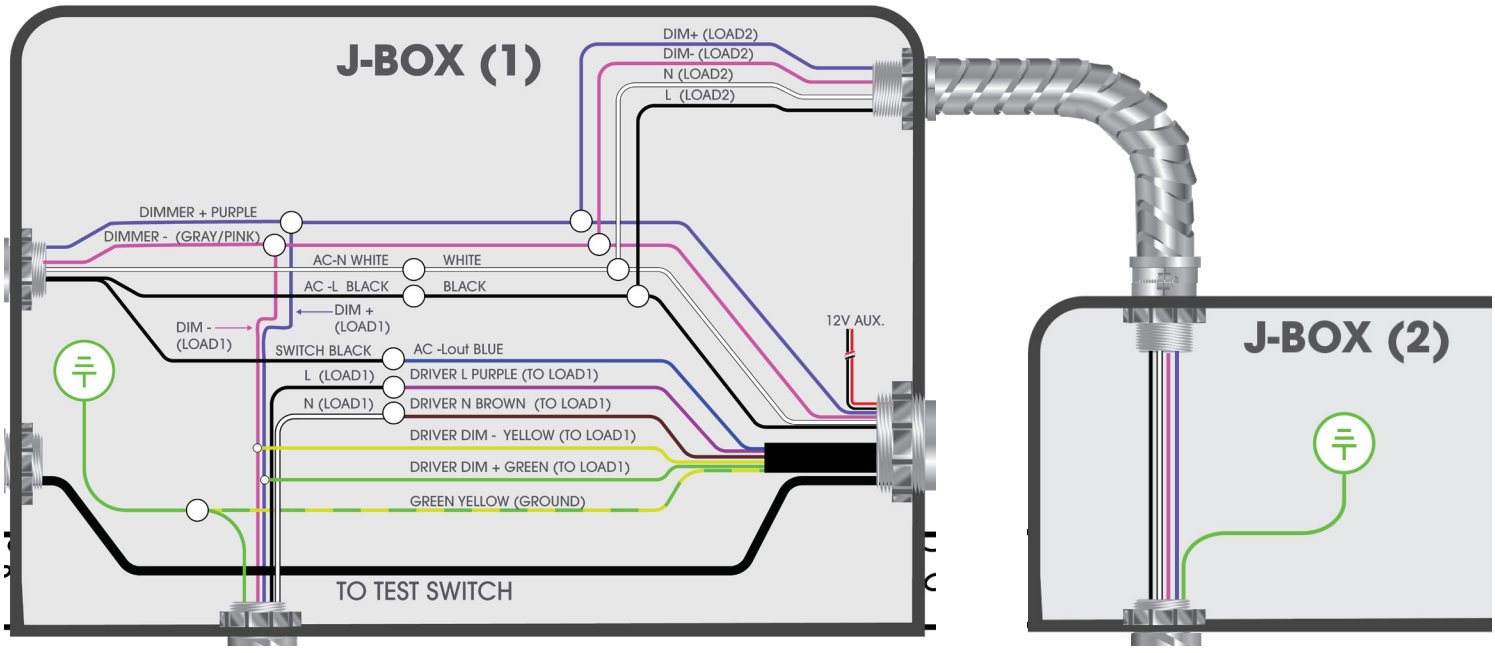
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MULTIPLE LOADS <8W 0-10V DIMMING

Multiple loads wiring - only load 1 is connected to emergency battery





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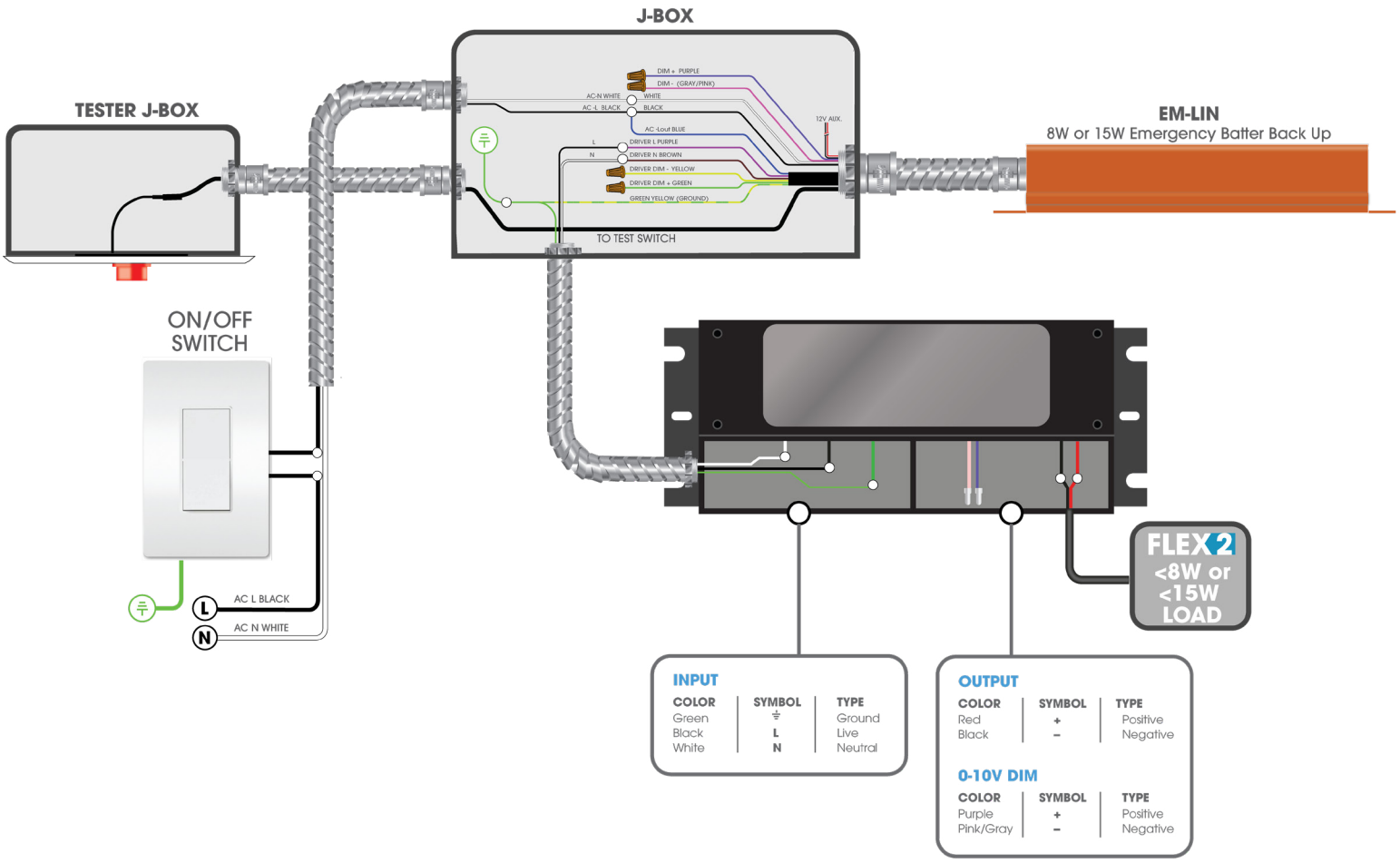
CONNECT TO OUTDOOR CLASS 2 UNIVERSAL

24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

<8W or <15W ON/OFF SWITCH

EM-LIN (8 Watt or 15 Watt) For use up to **60W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



NOTE: Cap off unused wires individually.
DO NOT cap together.

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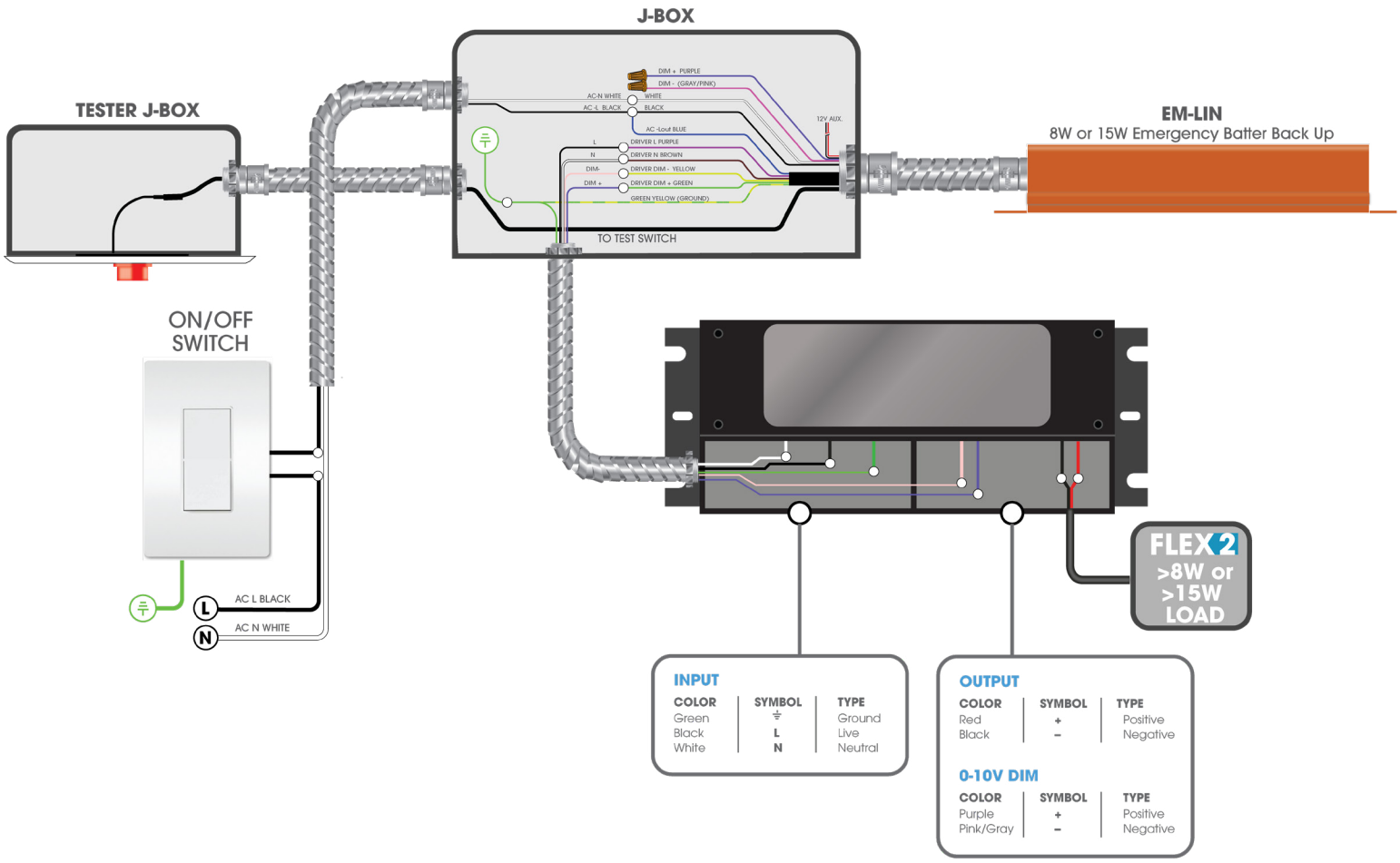
CONNECT TO OUTDOOR CLASS 2 UNIVERSAL

24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

>8W or >15W ON/OFF SWITCH

EM-LIN (8 Watt or 15 Watt) For use up to **60W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



NOTE: Cap off unused wires individually.
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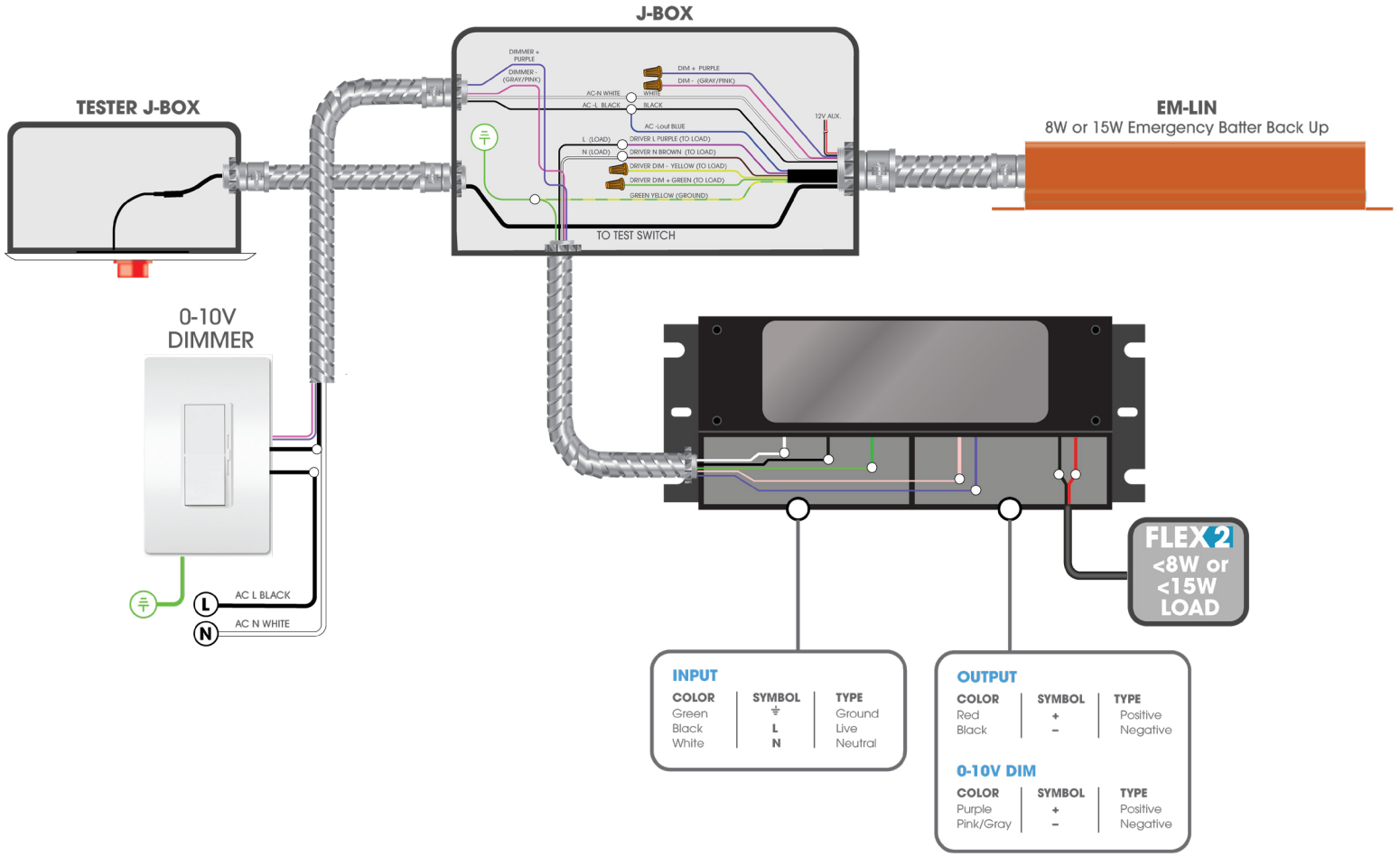
CONNECT TO OUTDOOR CLASS 2 UNIVERSAL

24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

<8W or <15W 0 -10V DIMMER

EM-LIN (8 Watt or 15 Watt) For use up to **60W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



NOTE: Cap off unused wires individually.
DO NOT cap together.

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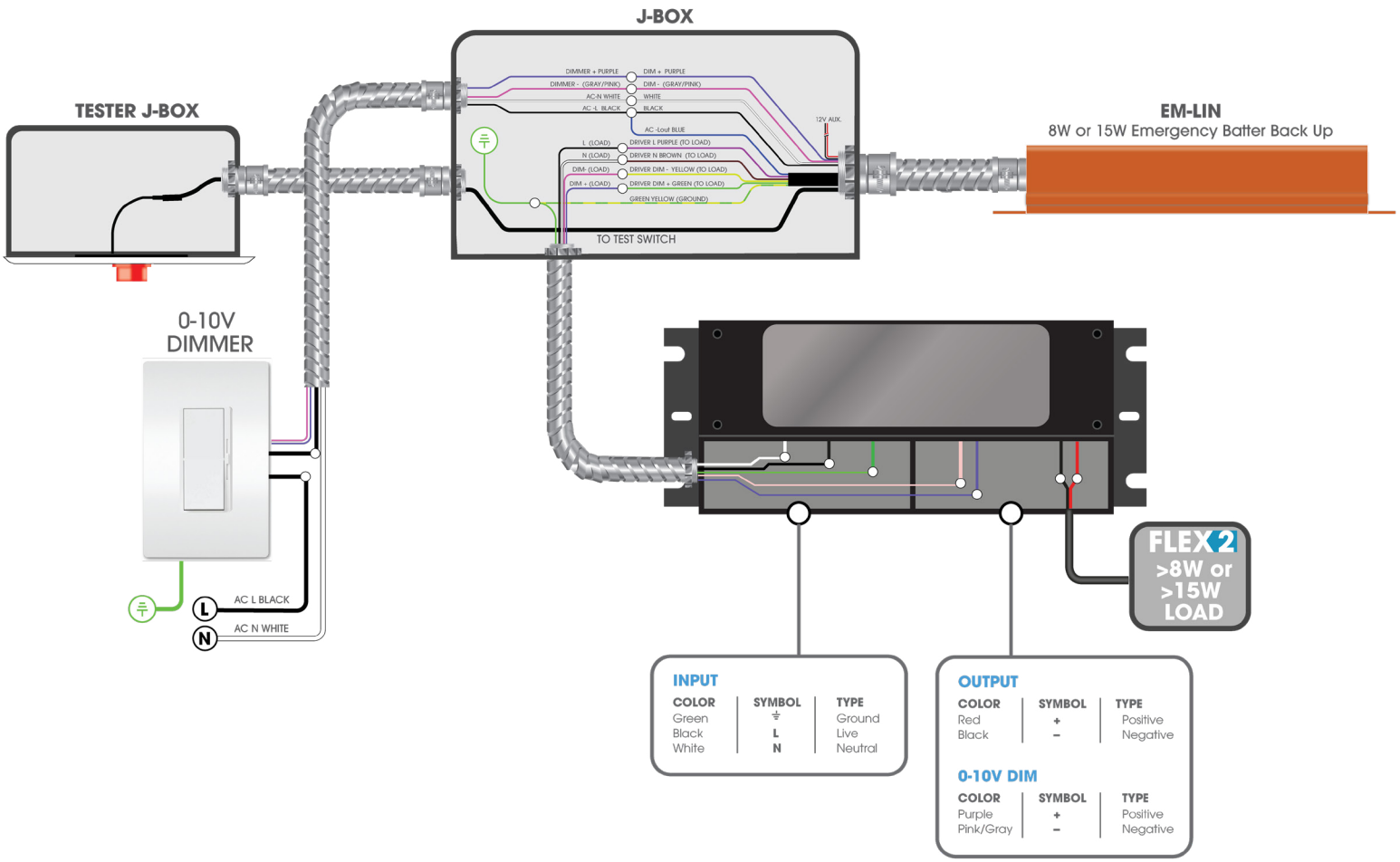
CONNECT TO OUTDOOR CLASS 2 UNIVERSAL

24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

>8W or >15W 0 -10V DIMMER

EM-LIN (8 Watt or 15 Watt) For use up to **60W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



NOTE: Cap off unused wires individually.
DO NOT cap together.

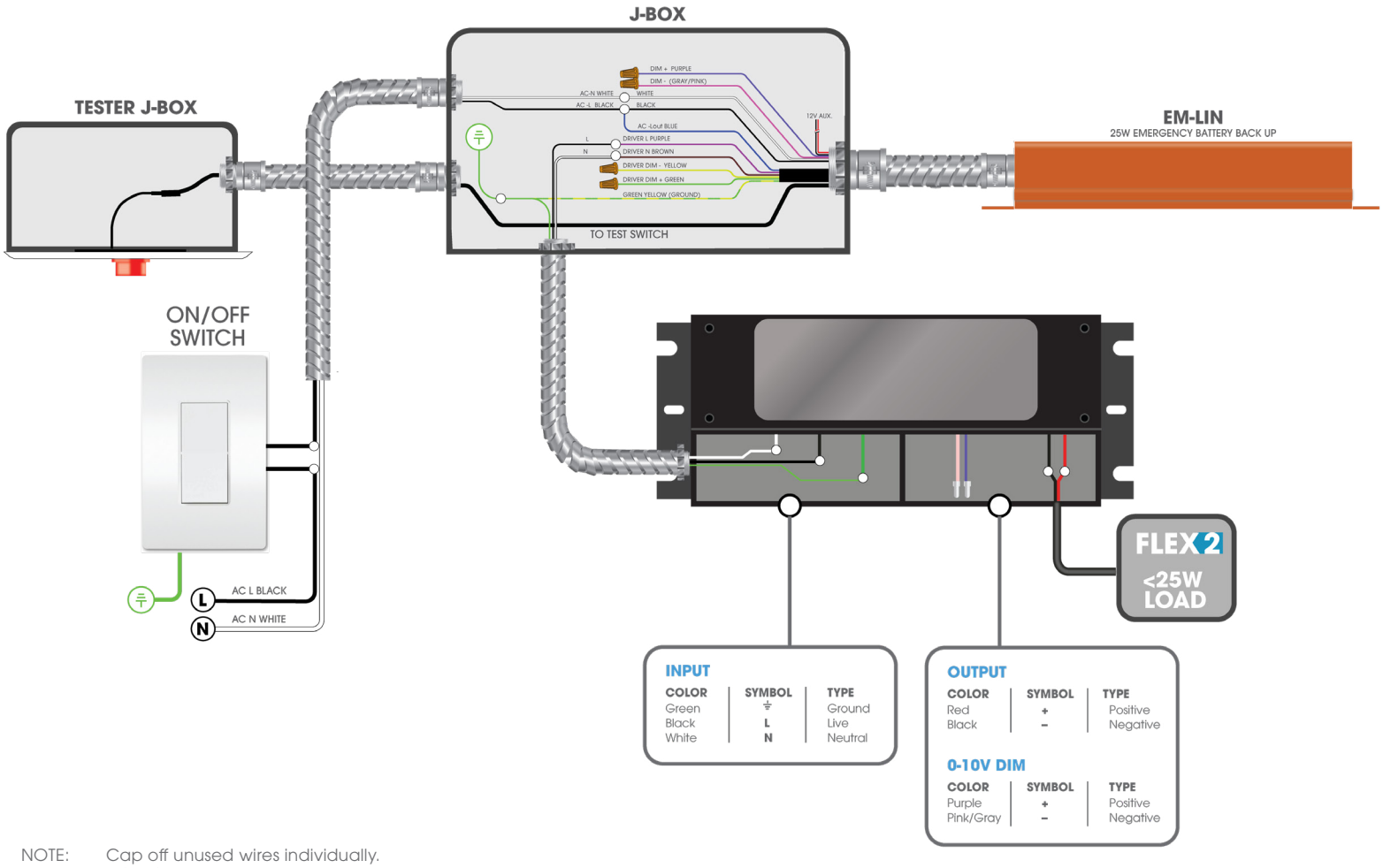
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EM-LIN
INSTALLATION INSTRUCTIONS

CONNECT TO OUTDOOR CLASS 2 UNIVERSAL
24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

<25W ON/OFF SWITCH
EM-LIN-25W (25 Watt) For use up to **96W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



NOTE: Cap off unused wires individually.
DO NOT cap together.

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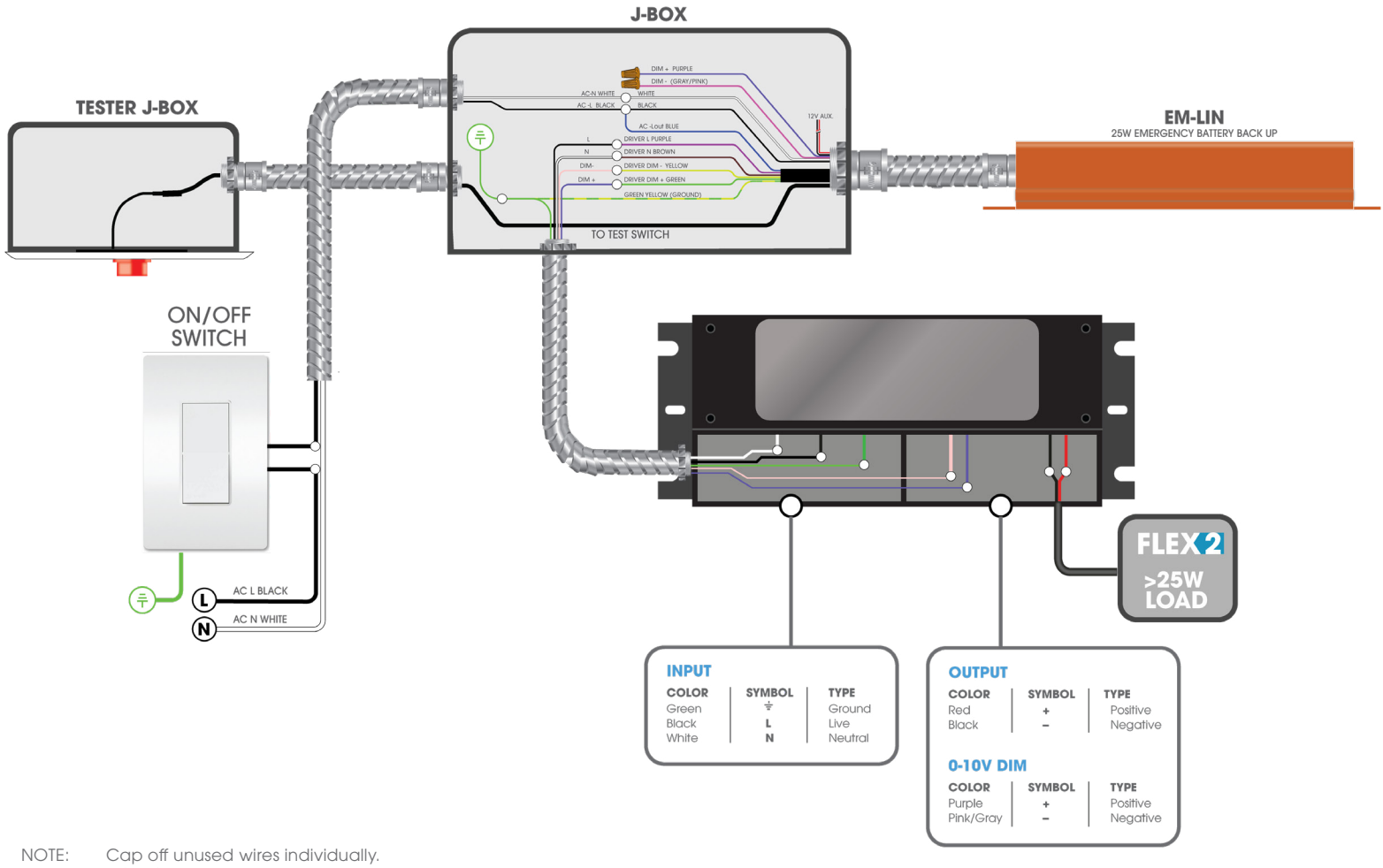
CONNECT TO OUTDOOR CLASS 2 UNIVERSAL

24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

>25W ON/OFF SWITCH

EM-LIN-25W (25 Watt) For use up to **96W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



NOTE: Cap off unused wires individually.
DO NOT cap together.

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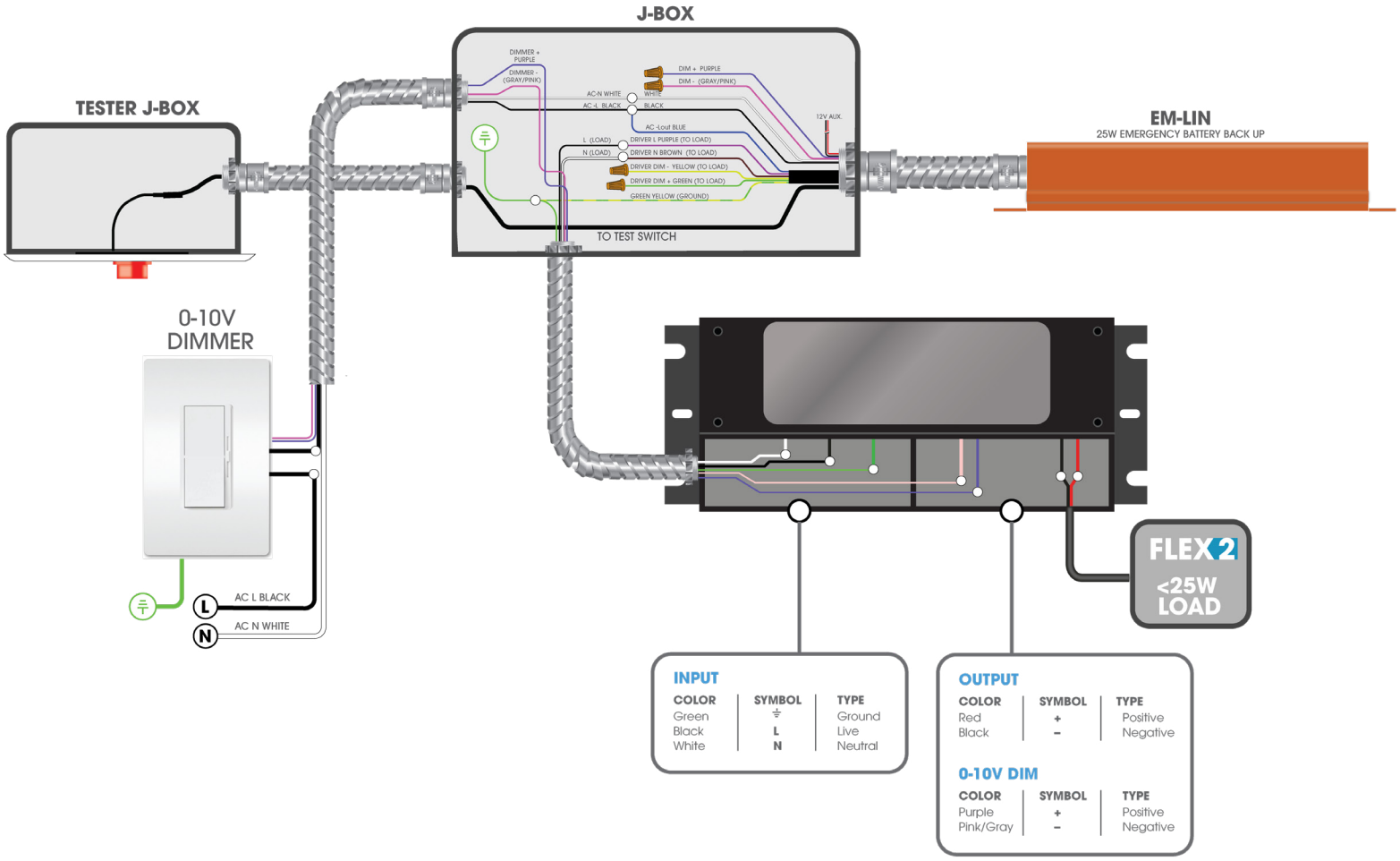
CONNECT TO OUTDOOR CLASS 2 UNIVERSAL

24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

<25W 0 -10V DIMMER

EM-LIN-25W (25 Watt) For use up to **96W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



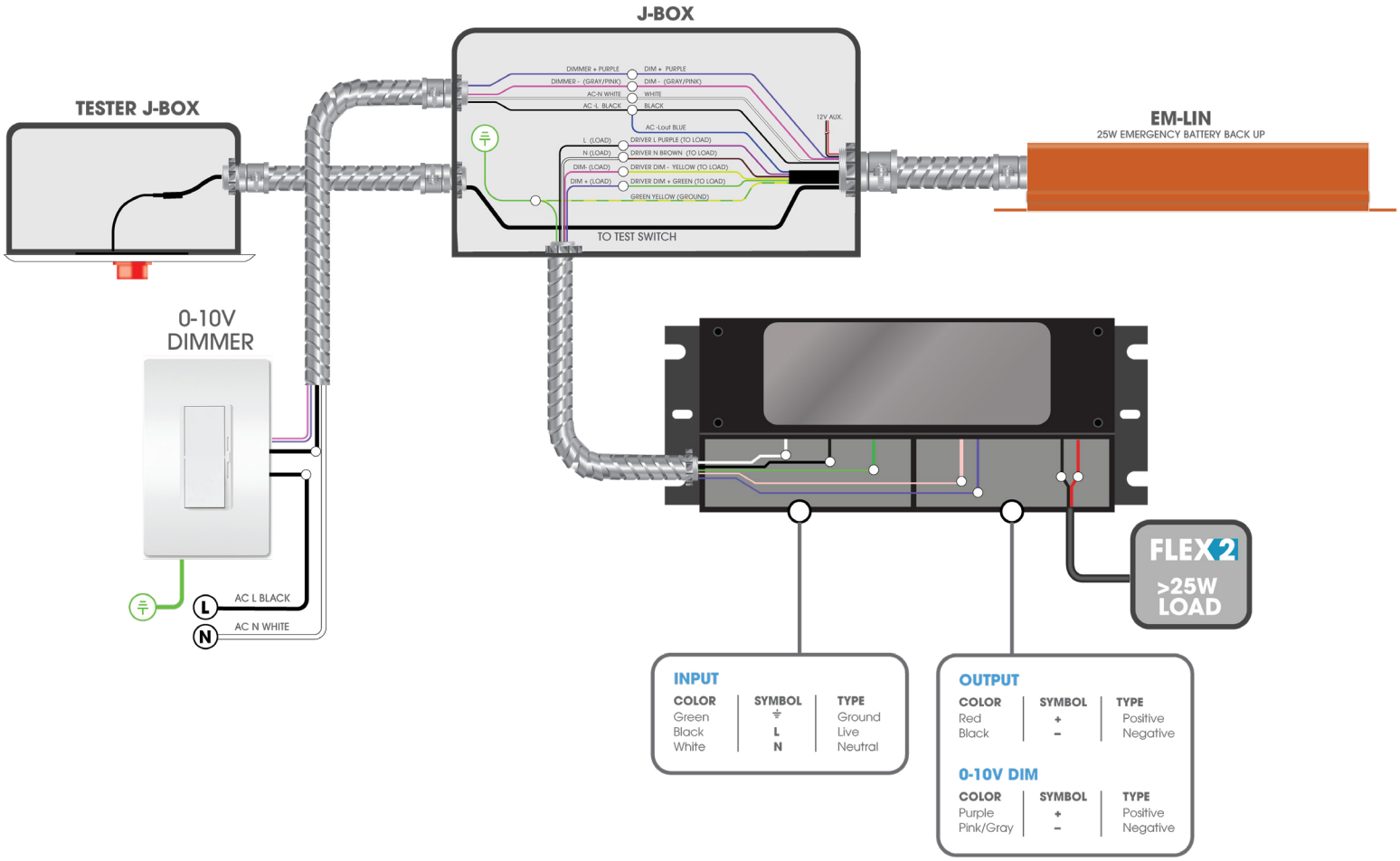
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EM-LIN
INSTALLATION INSTRUCTIONS

CONNECT TO OUTDOOR CLASS 2 UNIVERSAL
24V Power Supply with Junction Box 30W, 60W, 96W, 96Wx2, 96Wx3, 96Wx4

>25W 0 -10V DIMMER
EM-LIN-25W (25 Watt) For use up to **96W load** with 90 min. operational time

Any load exceeding the max EM output requires connecting dimming wires as shown in the diagrams.



NOTE: Cap off unused wires individually.
DO NOT cap together.

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