BLACK & WHITE
INDUSTRIAL GRADE PLUGS & CONNECTORS

50A Locking Plugs and Connectors

3 Wire and 4 Wire

Installation Instructions

PK-93454-10-00-0A

LEVITON
Building A Connected World

LIMITED LIFETIME 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 during the lifetime of the product. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if 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**. 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. 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)
www.leviton.com

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ENGLISH

INSTALLATION INSTRUCTIONS

WARNING: TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.
WARNING: IF YOU ARE UNSURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONTACT A QUALIFIED ELECTRICIAN.
CAUTION: ENSURE THAT THE LOCKING PLUG AND/OR CONNECTOR HAS THE PROPER ELECTRICAL RATING FOR THE SYSTEM ON WHICH IT IS BEING INSTALLED.
CAUTION: THESE DEVICES ARE FOR GROUNDING CIRCUITS, OR EQUIPMENT GROUNDING **ONLY. DO NOT** USE IN NON-GROUNDING APPLICATIONS.
NOTE: WIRE SIZE AND TYPE MUST COMPLY WITH APPROPRIATE LOCAL ELECTRICAL CODES. IN USA REFER TO NEC TABLES ARTICLE 400. **USE COPPER WIRE ONLY.**
SELECT A CABLE OF SUITABLE AMPACITY, SERVICE, AND TEMPERATURE RATING.
THE CORD TYPES ARE: S, SO, SOO, SOW, ST, STO, STOO.
THE CORD GAGES ARE FROM # 10 AWG TO # 4 AWG.
THE CORD STRAIN RELIEF FOR BOTH THE CLAMP TYPE, AND THE NUT TYPE DESIGN, WILL ACCOMMODATE CORD DIAMETERS FROM .680" (17.3 mm) TO 1.200" (30.5 mm).

TO INSTALL:

NOTE: Leviton 50A 3 Wire and 4 Wire Locking Plugs and Connectors are available with either a Clamp type cable strain relief, or Nut type.

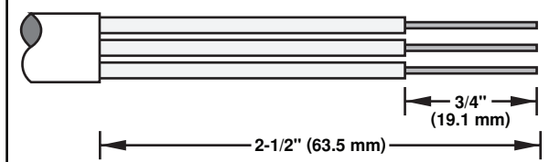
Installation using CLAMP type strain relief - DIAGRAM 1:

1. **WARNING:** TO AVOID FIRE, SHOCK, OR DEATH **TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
2. Separate housing from wiring module by grasping device firmly from front. With thumb, press and hold the release button and twist housing counterclockwise.
3. Loosen (or remove) the two cable clamp screws from housing. Remove, or keep cable clamp insert, depending on cable size, as per gage on device, or see **CABLE CLAMP STRAIN RELIEF CHART**.
4. Feed cable through housing, and strip 2-1/2" (63.5 mm) from cord jacket, making sure not to cut insulation on conductors.
5. **On 3 wire installations:** Strip all insulation from conductors 3/4" (19.1 mm), as per strip GAGE molded on the back of wiring module.
6. **On 4 wire installations:** ***The length of the grounding conductor is shorter because the wiring chamber is located higher on the back cover:*** Cut GROUNDING conductor to a length of 1-3/4" (44.5 mm) and strip insulation 5/8" (15.9 mm). Strip insulation on the other conductors 3/4" (19.1 mm), as per strip GAGE molded on the back of wiring module.
7. Make sure that stripped conductors are clean, and of a bright copper color. If necessary twist strands of each stripped conductor tightly. **DO NOT TIN CONDUCTORS**.
8. Make sure that wiring chambers of wiring module are fully open by loosening terminal screws. Use a 5/32" Allen wrench.
9. Attach grounding wire first by inserting stripped conductor into grounding wire well, and tighten terminal to 35 in-lb of torque, using a 5/32" Allen wrench. **CAUTION:** TERMINALS MUST TIGHTEN ONTO CONDUCTORS, NOT INSULATION.
10. With grounding conductor tightened, align each stripped conductor to marked wire well on wiring module as per **TABLE 1**. Insert each conductor and tighten each wiring terminal 35 in-lb of torque, using a 5/32" Allen wrench. Check for stray wire strands.
11. Reattach wiring module to housing by engaging the thread of the two parts. Press and hold the release button and turn housing clockwise until completely tightened.
12. Alternately tighten cord clamp screws to 20 in-lb (2.3 Nm).

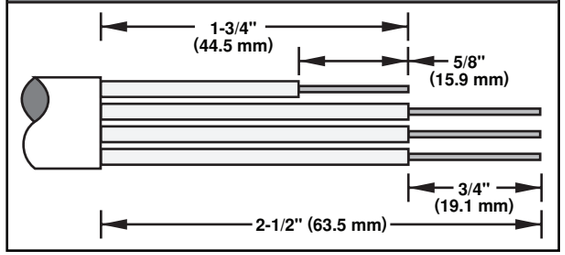
Installation using NUT type strain relief - DIAGRAM 2:

1. **WARNING:** TO AVOID FIRE, SHOCK, OR DEATH **TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!
2. Separate housing from wiring module by grasping device firmly from front. With thumb, press and hold the release button and twist housing counterclockwise.
3. Remove nut from back of housing by turning counterclockwise. Select proper size of rubber bushing and strain relief grip washer. Break off from the four sizes supplied. **See NUT TYPE STRAIN RELIEF CHART.**
4. Insert selected rubber bushing right side up on back of housing as shown in **DIAGRAM 2**.
5. Insert cord through nut, strain relief grip washer, and feed cable through housing. See **DIAGRAM 2. DO NOT REVERSE ORIENTATION OF STRAIN RELIEF GRIP WASHER AND RUBBER BUSHING.**
6. Strip 2-1/2" (63.5 mm) from cord jacket, making sure not to cut conductors insulation.
7. **On 3 wire installations:** Strip all conductors insulation 3/4" (19.1 mm), or as per strip GAGE molded on the back of wiring Module.
8. **On 4 wire installations:** ***The length of the grounding conductor is shorter because the wiring chamber is located higher on the back cover:*** Cut GROUNDING conductor to a length of 1-3/4" (44.5 mm) and strip insulation 5/8" (15.9 mm). Strip insulation on the other conductors 3/4" (19.1 mm), as per strip GAGE molded on the back of wiring module.
9. Make sure that stripped wires are clean, and of a bright copper color. If necessary twist strands of each stripped conductor tightly. **DO NOT TIN CONDUCTORS.**
10. Make sure that wiring chambers of wiring module are fully open by loosening terminal screws. Use a 5/32" Allen wrench.
11. Attach grounding wire first by inserting stripped conductor into grounding wire well and tightening terminal to 35 in-lb of torque, using a 5/32" Allen wrench. **CAUTION:** TERMINALS MUST TIGHTEN ONTO CONDUCTORS, NOT INSULATION.
12. With grounding conductor tightened, align each stripped conductor to marked wire well on wiring module as per **TABLE 1**. Insert each conductor and tighten each wiring terminal to 35 in-lb of torque, using a 5/32" Allen wrench. Check for stray wire strands.
13. Reattach wiring module to housing by engaging the thread of the two parts. Press and hold the release button and turn housing clockwise until completely tightened.
14. Push strain relief grip washer up against rubber bushing. Push up the cable relief nut to engage housing thread. Firmly hold housing, and tighten the cable relief nut, turning clockwise, until completely tightened.

3 WIRE STRIP GAGE



4 WIRE STRIP GAGE



CABLE CLAMP STRAIN RELIEF CHART		
Cable clamp with insert	.650 – .835	AWG 10/3, 10/4, 8/3
Cable clamp with out insert	.930 – 1.20	AWG 8/4, 6/3, 6/4, 4/3

NUT TYPE STRAIN RELIEF CHART		
No. 1 Bushing and Grip Washer (smallest diameter)	.650 – .710	AWG 10/3 - 10/4
No. 2 Bushing and Grip Washer	.835	AWG 8/3
No. 3 Bushing and Grip Washer	.930 – .990	AWG 8/4 - 6/3
No. 4 Bushing and Grip Washer (largest diameter)	1.055 – 1.200	AWG 6/4 - 4/3

TABLE 1	
Terminal Designation	**Conductor Color**
G, GRND, GREEN, or **Eq G** (Grounding terminal)	**Bare, Green,** or **Green/Yellow** wire
W, or **WHITE** (Neutral terminal)	**White** or **Gray** wire
X, Y, Z, or **BLANK** (Hot terminal)	**Other than** White, Green, Gray, Green/Yellow or Bare wire

DIAGRAM 1 - CLAMP TYPE STRAIN RELIEF

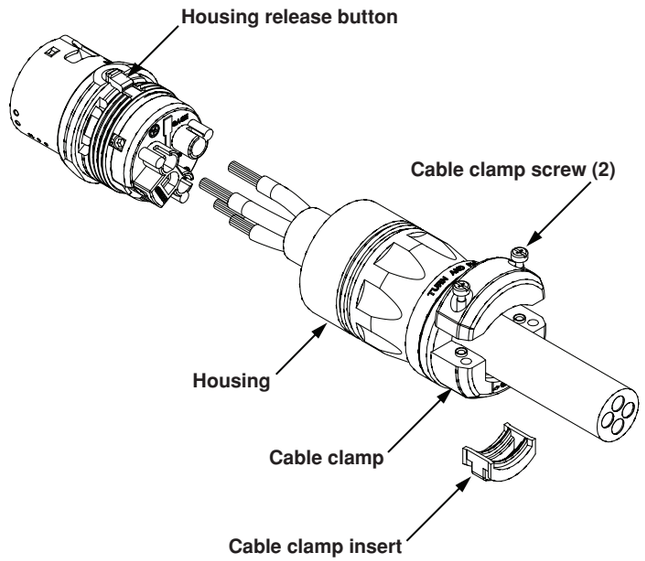
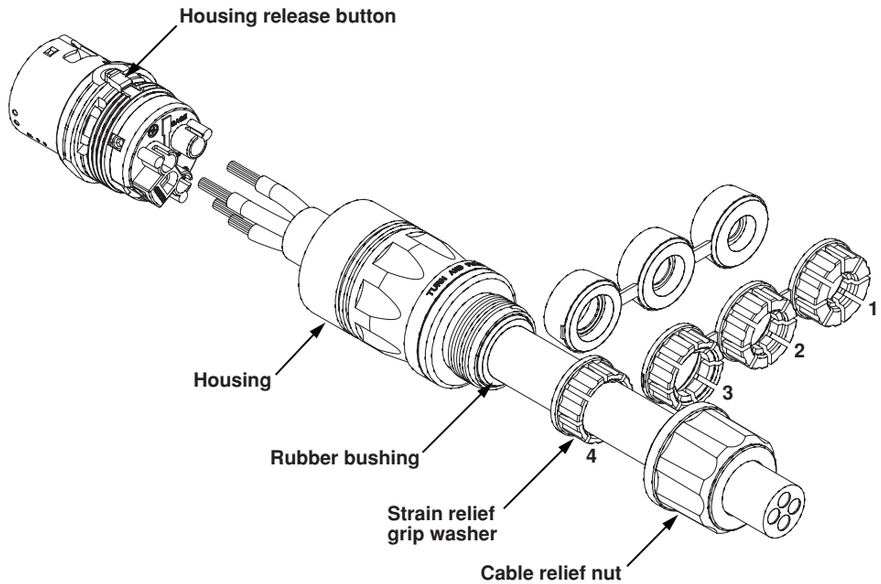


DIAGRAM 2 - NUT TYPE STRAIN RELIEF



CONFIGURATION

Standard

Locking Connector	Locking Plug	Locking Flanged Inlet	Locking Receptacle	APPLICATION
3762C	3763C	3777	3771	50A, 2 Pole, 3 Wire, 250 V DC/600 V AC Grounding Non-NEMA
7764C*	7765C*	7958*	7379*	50A, 3 Pole, 4 Wire, 250 V DC/600 V AC Grounding Non-NEMA
3764	3765C	3775	3769	50A, 3 Pole, 4 Wire, 250 V DC/600 V AC Grounding Non-NEMA

CR Corrosion Resistant

6360CR	6361CR	6377CR	6370CR	50A, 2 Pole, 3 Wire, 125V Grounding NEMA #SS1
6364CR	6365CR	6375CR	6369CR	50A, 3 Pole, 4 Wire, 125/250V Grounding NEMA #SS2

CS California Style

CS6360C	CS6361C	CS6377	CS6370	50A, 2 Pole, 3 Wire, 125 V Grounding Non-NEMA
CS8264C	CS8265C	CS8275	CS8269	50A, 2 Pole, 3 Wire, 250 V Grounding Non-NEMA
CS8464C	CS8465C	CS8475	CS8469	50A, 2 Pole, 3 Wire, 480 V Grounding Non-NEMA
CS6364C	CS6365C	CS6375	CS6369	50A, 3 Pole, 4 Wire, 125/250 V Grounding Non-NEMA
CS8364C	CS8365C	CS8375	CS8369	50A, 3 Pole, 4 Wire, 3Ø, 250 V Grounding Non-NEMA
CS8164C	CS8165C	CS8175	CS8169	50A, 3 Pole, 4 Wire, 3Ø, 480 V Grounding Non-NEMA

*** This device is for replacement use only in existing installations.**