

FIELD INSTALLATION INSTRUCTIONS

**IMPORTANT SAFEGUARDS**

1. **DO NOT INSTALL OR SERVICE WHILE ENERGIZED.**
2. MUST BE installed by qualified personnel.
3. MUST BE installed in compliance with national and local codes.
4. ENSURE that the latching springs are fully engaged prior to moving to the next connection.
5. DO NOT use this component for other than its intended use.
6. DO NOT tamper with the contacts in the component or attempt to modify product.
7. DO NOT change or alter circuitry.
8. DO NOT attempt to use cables of insufficient length.
9. Manufactured Wiring System components are described in the National Electrical Code Article 604 and MUST BE installed accordingly.

**RECEIVING RELOC MATERIAL AT THE JOB SITE**

When you receive your order, it will be marked as requested. Typically, if there were installation drawings furnished by Lithonia Reloc, the material will be custom marked by the area or application (i.e. **277V Normal - First Floor**, or **277V Emergency - First Floor**, etc.) The material will then be sorted and shipped by this marking.

In order to verify accurate shipment of Reloc product, follow steps 1 and 2 below:

1. There will be a single carton with a written "1" on it for each marking. This carton will also be designated by a customized red & white sticker, which states "**Job Site Inventory List Inside**". Utilizing the job site inventory list inside the "1" carton, verify the number of cartons and material for the marking indicated. The job site inventory list will also list the components by catalog number next to the carton number in which they are located. **NOTE: The job site inventory list is not the packing list.**
2. Less than carton quantities will be consolidated into one carton, but no more than three different catalog numbers will be packed into a single carton. On the top of these cartons will be a list of the different components and their quantities. These cartons will be marked with a sticker that states "**Attention: this carton contains multiple products**".

TIP: Reloc cables less than eleven feet in length are typically packed ten to a carton. Cables longer than eleven feet are typically packed four or five to a carton.

If you discover an incorrect component, material shortage, damaged material, or if you need technical assistance, please notify Lithonia Reloc immediately at **(800) 241-4750**.

CARTON NO. 1 OF 10		
CI	DESCRIPTION	QTY.
799991	OC2 277 F 21	2
789012	OCU 277 D1	3
798761	OCE 277 F 15	1
ORDER NO. 2455      PACKED BY RWG		



Figure 1

**WIRE COLOR BY POSITION AND VOLTAGE\***

Ground			
Conductor	<b>D</b>		
Conductor		<b>E</b>	<b>F</b>
Conductor			
Conductor			

Table 1

Pos	120V	277V	347V	208V/240V/480V
G	Green	Green	Green	Green
1	Black	Yellow	Black	Black
2	Red	Brown	Red	Red
3	Blue	Orange	Blue	Blue
N	White	White	White	Brown

\*Applies to all products except the OCS (see page 3) and the OCU (see page 4).

NOTE: Two neutral (2N) products in 120, 277, and 347 voltages have a gray wire in the number 3 position.

# ONEPASS SYSTEM VIEW

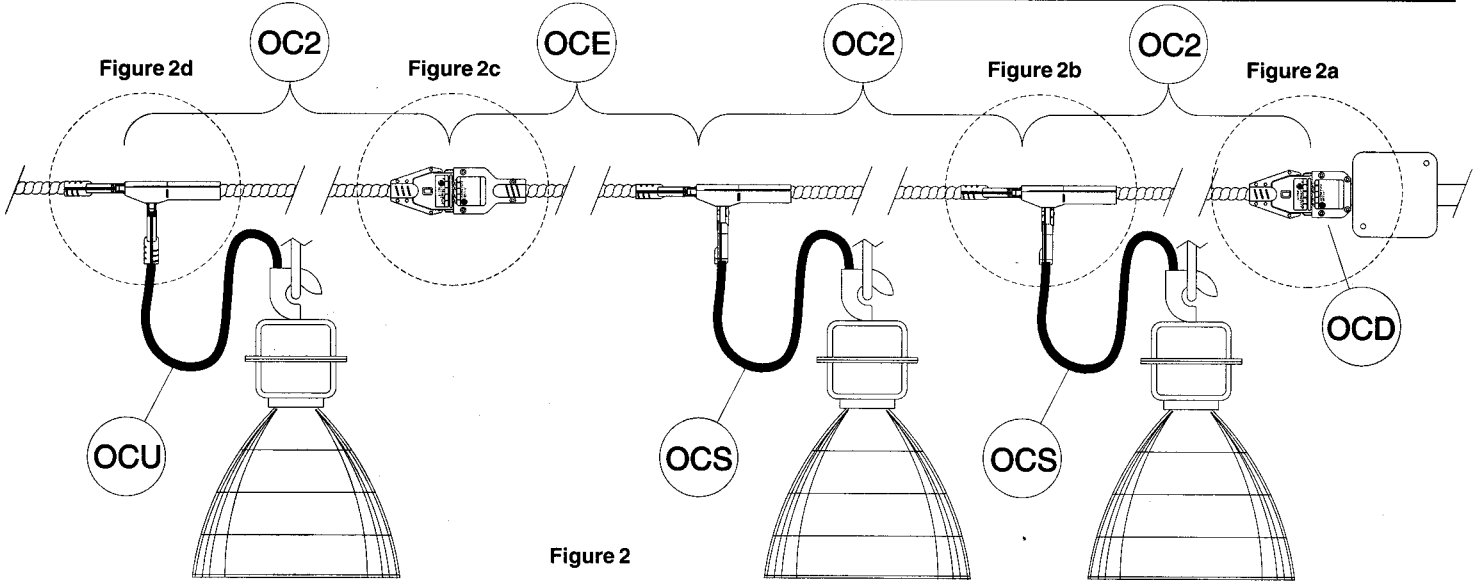


Figure 2

NOTE: Cable length not shown to scale. Actual cable length is determined by the application

## OCD - ONEPASS CIRCUIT DISTRIBUTOR



OCD  
Figure 3

Catalog Number:  
Example: **OCD 277 F**

OCD	277	F
Family	Voltage	Number of conductors
OCD	120	D three
	277	E four
	347	F five
	208	
	240	
	480	

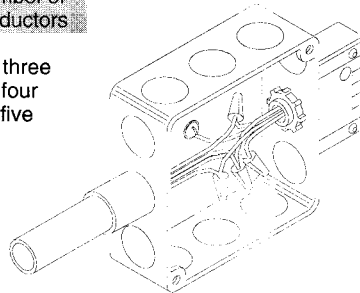


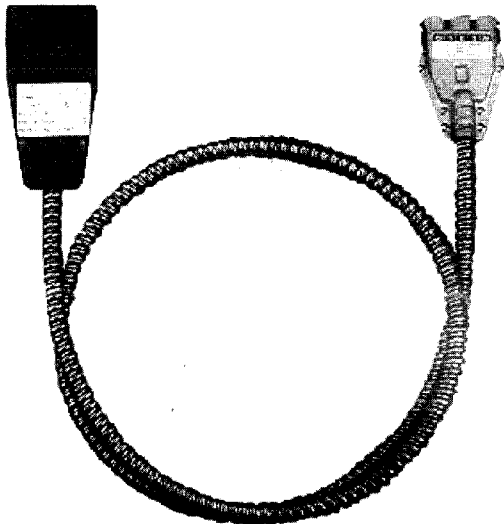
Figure 4

1. Select the appropriate OCD (see fig. 3).
2. Remove a 1/2" trade size K.O. from the junction box.
3. Remove locknut from OCD.
4. Install the OCD unit through the 1/2" trade size K.O. location.
5. Tighten the locknut on the interior of J-box.
6. Make the appropriate wire connections (see table 1, page 1). NOTE: The green lead provides the grounding connection.  
- System must be grounded according to local code.
7. Install a blank cover to protect the connections.

## \*OC2 - ONEPASS CABLE 2-PORT

Female End

Male End



OC2  
Figure 5

Catalog Number:  
Example: **OC2 277 F 21**

OC2	277	F	21
Family	Voltage	Number of conductors	Length (feet)
OC2	120	D three	
	277	E four	
	347	F five	
	208		
	240		
	480		

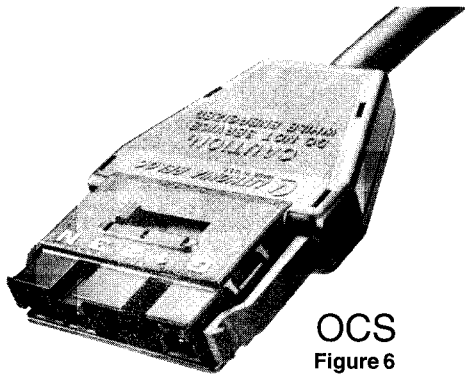
1. Select the appropriate OC2 (see fig. 5)
2. Plug the OC2 male end (see fig. 5) into the female end of one of the following products: the OnePass Circuit Distributor (OCD) (see fig. 2a), the OnePass Cable Extender (OCE) (see fig. 2c), or the previous OC2 (see fig. 2b)
3. Extend and support the OC2 cable along proper routing (see fig. 2).
4. Support the OC2 cable by an approved method.
5. Install the fixture and select the circuit on the OCS. (see Page 3, fig. 7 or 8)
6. After selecting the proper circuit on the OCS, plug into the appropriate port on the female end (see fig. 5) of the OnePass Cable 2-port (OC2) (see fig. 2b).
7. Repeat steps 1 thru 6 for each fixture.

# \*OCS - ONEPASS CIRCUIT SELECTOR

Catalog Number:

Example: OCS 277 D 05

Family	Voltage	Number of conductors	Length (feet)
OCS	120 277 347 208 480	D three	*length is 3 feet if not specified



OCS  
Figure 6

\*U.S. Patent No. 5,679,016

## OCS FIELD INSTALLATION INSTRUCTIONS

1. Remove the splice box cover for access to the ballast leads.
2. Feed the OCS cord into the splice box.
3. Secure the appropriate leads together with a wirenut.
4. Install the splice box cover.

## OCS APPLICATION FOR 120, 277, AND 347 VOLT SYSTEMS

A 3-circuit run from a hardwire drawing is shown below. The three OCS connector views show how fixtures can be energized alternating between the phases on a run by placing the OCS selector switch into position 1, 2, or 3.

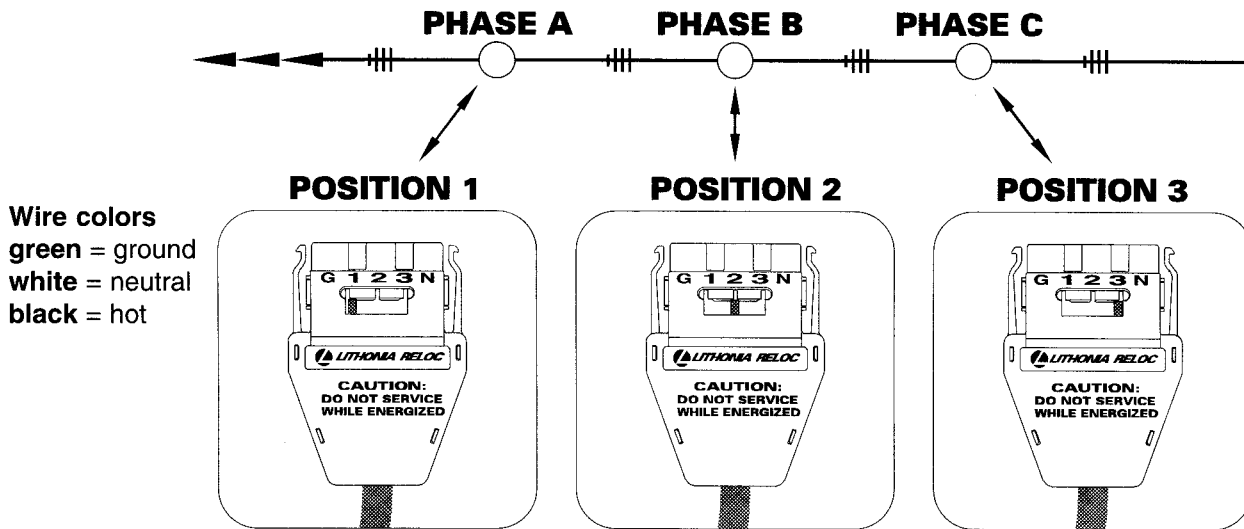


Figure 7

## OCS APPLICATION FOR 208 AND 480 VOLT 3-PHASE SYSTEMS

A 3-phase run from a hardwire drawing is shown below. The three OCS connector views show how fixtures can be energized alternating between the three phases on a run by placing the OCS selector switch into position 1&2, 1&3, or 2&3.

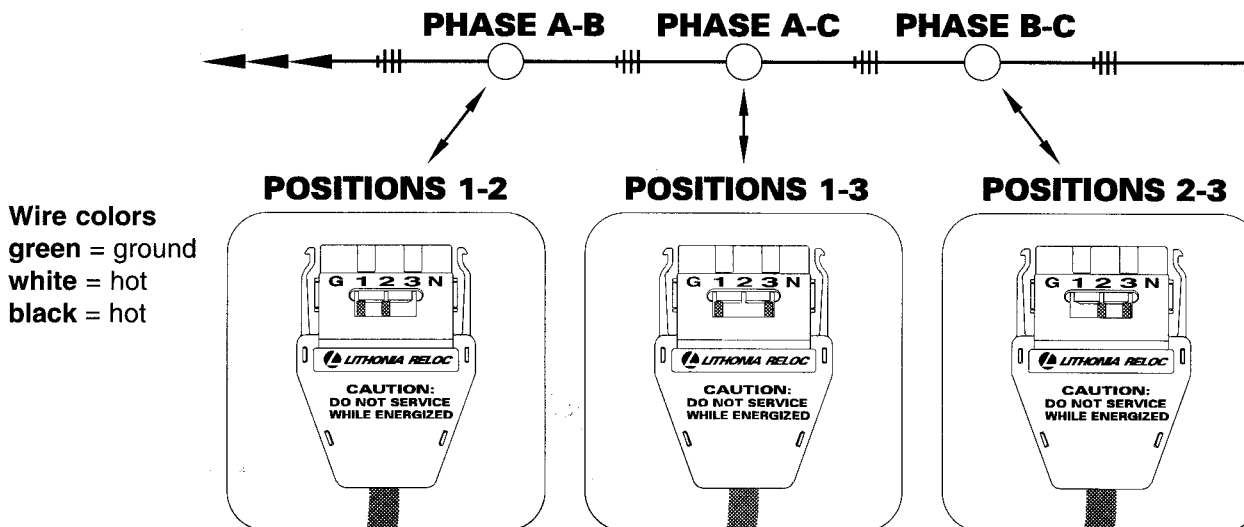
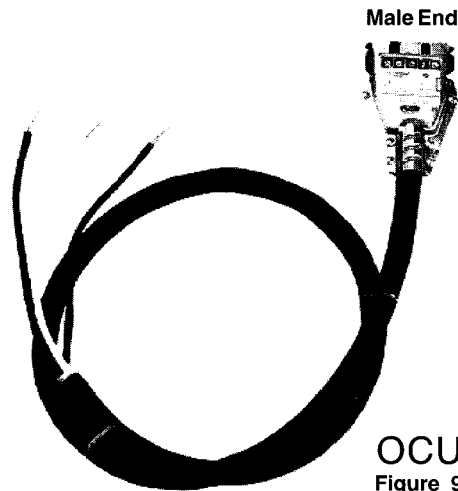


Figure 8

# OCU - ONEPASS CORD UNSELECTABLE

Catalog Number:

Example: **OCU 277 D 12 05**



**OCU**  
Figure 9

Family	Voltage	Number of conductors	Conductors tapped	Length (feet)	Options
<b>OCU</b>	<b>120</b>	<b>D</b> three	position 1	1	<b>A</b> =Armored Cable <b>2N</b> =2 circuit, 2 neutral (use with the 12 tap configuration only)
	<b>277</b>	<b>E</b> four	position 2	2	
	<b>347</b>	<b>F</b> five	position 3	3	
	<b>208</b>		positions <sup>a</sup> * 12		
	<b>240</b>		positions * 13		
	<b>480</b>		positions <sup>b</sup> * 123 positions <sup>a</sup> 23 positions * 34		

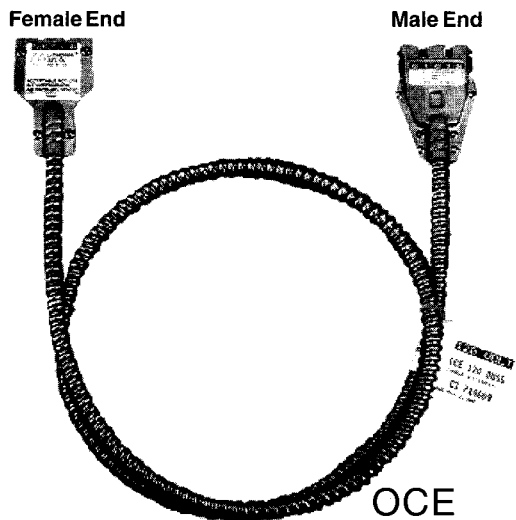
- \* For use with 208v, 240v, and 480v only.
- <sup>a</sup> For use with Kilowatch applications.
- <sup>b</sup> For use with 208v or 480v Kilowatch applications.

1. Select the appropriate OCU. (see fig. 9) (OCU products are custom wired and must be sorted for application.)
2. Install the fixture with the proper OCU connected.
3. Plug the OCU male end into the appropriate port on the female end of a OnePass Cable 2-Port (OC2) (see fig. 2d).

# OCE- ONEPASS CABLE EXTENDER

Catalog Number:

Example: **OCE 277 F 21**



**OCE**  
Figure 10

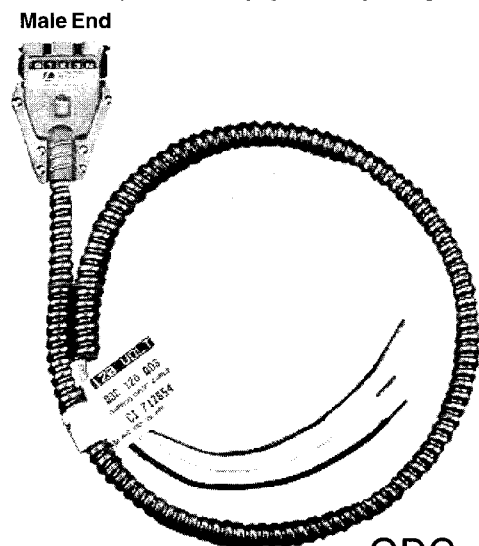
Family	Voltage	Number of conductors	Length (feet)
<b>OCE</b>	<b>120</b>	<b>D</b> three	<b>21</b>
	<b>277</b>	<b>E</b> four	
	<b>347</b>	<b>F</b> five	
	<b>208</b>		
	<b>240</b>		
	<b>480</b>		

1. Select the appropriate OCE (see fig. 10).
2. Plug the OCE male end into the female end of the OCD, OCE, or OC2.
3. Extend the OCE or OC2 cable along proper routing (see fig. 2).
4. Support the cable by a approved method.
5. Connect to the next OCE or OC2 cable (see fig. 2c).

# ODC- ONEPASS DROP CABLE

Catalog Number:

Example: **ODC 277 F 11**



**ODC**  
Figure 11

Family	Voltage	Number of conductors	Length (feet)
<b>ODC</b>	<b>120</b>	<b>D</b> three	<b>11</b>
	<b>277</b>	<b>E</b> four	
	<b>347</b>	<b>F</b> five	
	<b>208</b>		
	<b>240</b>		
	<b>480</b>		

1. Select the appropriate ODC (see fig. 11).
2. Plug the ODC male end into the female end of the OCD, OCE, or OC2.
3. Extend the cable to the appropriate connection location.
4. Secure the cable by a approved method.

All components are guaranteed for a period of one (1) year from the date of delivery to the customer against any defect in manufacture, provided the defect develops under normal and proper use. Our guarantee liability extends only to replacement of the defective part and no labor charges for the correction of the defect by repair or replacement will be handled by the factory unless prior written authority has been granted by our Customer Service Department.