

## Network Protector Relay Kits



### 1. Scope

This standard covers the requirements for network protector relay kits used in the SCL Network system.

This standard applies to the Seattle City Light (SCL) stock numbers listed in Section 6.

See SCL 4381.05 for network protector transmitter kits.

See SCL 4381.07 for network protector remote monitoring accessories.

### 2. Application

Relays are used with other accessories to monitor and control network protectors in the SCL Network system. Relays are supplied in kits, which include the relay and the associated installation materials.

SCL has two styles of network protectors installed in the Network system: Westinghouse and GE. Each requires a unique relay or a transmitter:

- Westinghouse-style network protectors include the Eaton CMD, CM22, CM52 and Richards 313NP models.
- GE-style network protectors include the GE and refurbished Richards models.

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### 3. Requirements

#### 3.1 Westinghouse-Style Network Protectors

Westinghouse-style network protector relay kits shall include the items listed in Table 3.1.

**Table 3.1. Westinghouse Style Network Protector Relay Kit (Stock No. 013087) Components**

Qty.	Description	Manufacturer	Catalog No.
1	Combination relay/transmitter	DigitalGrid	DG-6001
1	Smart external cable	DigitalGrid	DG-280
1	Anti-pump CT	DigitalGrid	DG-671

#### 3.2 GE-Style Network Protectors

GE-style network protector relay kits shall include the items listed in Table 3.2.

**Table 3.2. GE Style Network Protector Relay Kit (Stock No. 013502) Components**

Qty.	Description	Manufacturer	Catalog No.
1	Combination relay/transmitter	DigitalGrid	DG-6011
1	Smart external cable	DigitalGrid	DG-280
1	Anti-pump CT	DigitalGrid	DG-671

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### 4. Packaging

Relays and associated installation material shall be packaged to prevent damage during shipping, handling, and storage.

Relays and associated installation material shall be packaged together to prevent loss.

Individual kit packages shall be legibly marked with:

- Product description
- SCL stock number

Shipping containers shall be legibly marked with:

- SCL purchase order number

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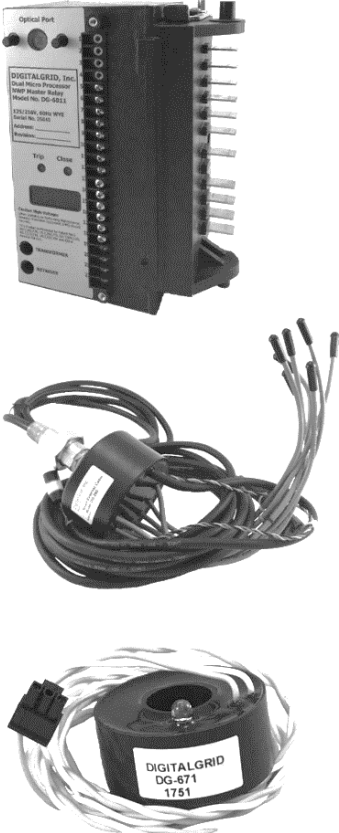

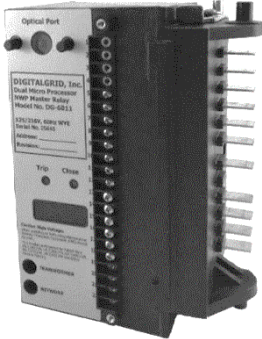
### 5. Issuance

See Section 6.

**6. Approved Manufacturers**


Stock No.	Stock Unit	Description	Manufacturer	Catalog No.
013087	KT	Combination relay/transmitter Kit for Westinghouse style NP	Digital Grid	DG-6001 KT-1



Stock No.	Stock Unit	Description	Manufacturer	Catalog No.	
013502	KT	Combination relay/transmitter Kit for GE style NP	Digital Grid	DG-6011 KT-1	
013500	EA	Combination relay/transmitter for Westinghouse style NP	Digital Grid	DG-6001	
013555	EA	Combination relay/transmitter for GE style NP	Digital Grid	DG-6011	

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<b>Stock No.</b>	<b>Stock Unit</b>	<b>Description</b>	<b>Manufacturer</b>	<b>Catalog No.</b>
013501	EA	Smart external cable	Digital Grid	DG-280



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N/A	EA	Anti-pump CT	Digital Grid	DG-671
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If necessary, components may be purchased individually.

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## 7. References

**SCL Material Standard 4381.05**; “Network Protector Transmitter Kits”

**SCL Material Standard 4381.07**; “Network Protector Remote Monitoring Accessories”

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## 8. Sources

**Lu, Curtis**; SCL Standards Engineer and originator of 4381.03

**SCL Stock Catalog page 70-39**; March 27, 2014