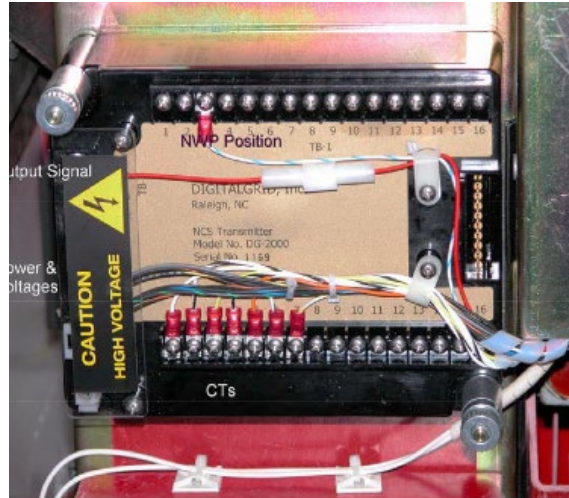


Network Protector Transmitter Kits



1. Scope

This standard covers the requirements for network protector transmitter kits used in the Seattle City Light (SCL) Network system.

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

See SCL 4381.03 for Network Protector Relay Kits.

See SCL 4381.07 for Network Protector Remote Monitoring Accessories.

2. Application

Transmitters are used with other accessories to monitor network protectors in the SCL network system. Transmitters are supplied in kits which include the transmitter and the required installation material.

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.

3. Requirements

3.1 Westinghouse-Style Network Protector Transmitter Kits

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

Table 3.1. Westinghouse-Style Network Protector Transmitter Kit Components (Stock No. 012497)

Qty.	Description	Manufacturer	Catalog No.
1	Transmitter	DigitalGrid	DG-2000
1	Auxiliary Cable Harness	DigitalGrid	DG-210
1	CT Kit	DigitalGrid	DG-400KT
1	Mounting Hardware Kit for Transmitter in GE-style NP	DigitalGrid	DG-020-2

3.2 GE-Style Network Protector Transmitter Kits

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

Table 3.2. GE-Style Network Protector Transmitter Kit Components (Stock No. 012496)

Qty.	Description	Manufacturer	Catalog No.
1	Transmitter	DigitalGrid	DG-2000
1	Auxiliary Cable Harness	DigitalGrid	DG-210
1	CT Kit	DigitalGrid	DG-400KT
1	Mounting Hardware Kit for Transmitter in GE style NP	DigitalGrid	DG-020-1

4. Packaging

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

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

Individual packages shall be legibly marked with:

- Product description
- SCL stock number





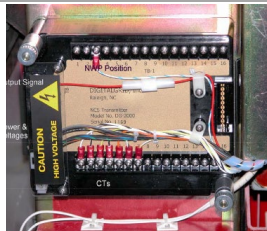
Shipping containers shall be legibly marked with:

- SCL purchase order number

5. Issuance

See Section 6.

6. Approved Manufacturers

Stock No.	Stock Unit	Description	Manufacturer	Catalog No.	
012496	KT	Transmitter kit for GE-style NP	DigitalGrid	DG-2000KT-1AUX	NO PHOTO AVAILABLE
012497	KT	Transmitter kit for Westinghouse-style NP	DigitalGrid	DG-2000KT-2AUX	NO PHOTO AVAILABLE
012498	KT	Current transformer kit (3 CTs)	DigitalGrid	DG-400KT	
012499	EA	Mounting hardware kit for transmitter in GE-style NP	DigitalGrid	DG-020-1	
012500	EA	Mounting hardware kit for transmitter in Westinghouse-style NP	DigitalGrid	DG-020-2	
012167	EA	Auxiliary cable harness, for external data inputs	DigitalGrid	DG-210	
012495	EA	Transmitter, for NP status	DigitalGrid	DG-2000	

If necessary, components may be purchased individually.

7. References

SCL Material Standard 4381.03; "Network Protector Relay Kits"

SCL Material Standard 4381.07; "Network Protector Remote Monitoring Accessories"

8. Sources

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

Lu, Curtis; SCL Standards Engineer and originator of 4381.05