

Network Protector Remote Monitoring Accessories



1. Scope

This standard covers the requirements for network protector remote monitoring accessories used in the Seattle City Light (SCL) Network system.

This standard applies to the SCL stock numbers listed in Section 6.

See SCL 4381.03 for Network Protector Relay Kits.

See SCL 4381.05 for Network Protector Transmitter Kits.

2. Application

The accessories specified in this standard are used with DigitalGrid network protector relays and transmitters.

Vault Safe Service Mode Indicators (Stock No. 014661) provide a visual indication of whether the DigitalGrid relay safe service mode is enabled or disabled. Indicators also allows manually changing the current state.

Ambient temperature sensors (Stock No. 012122) are used for continual measuring of the temperature within a manhole or vault.

Fluid sensors (Stock No. 012473) detect the existence of liquid within a manhole or vault.

Oil temperature sensors (Stock No. 015157) allow for continuous measurement of temperature within the tank oil of a network power transformer.

3. Requirements

Accessories shall be compatible with the relays and transmitters specified in SCL 4381.03 and SCL 4381.05.

4. Packaging

Accessories shall be packaged to prevent damage during shipping, handling, and storage.

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

Stock Unit: EA

6. Approved Manufacturers

| Stock No. | Description | Manufacturer | Catalog No. |
|---|---|-----------------------------|--------------|
| 012122 | Ambient Temperature Sensor | DigitalGrid | DG-500 |
|  | | | |
| 012473 | Fluid Sensor, for detecting presence of liquid | Advanced Control Technology | S05010BBA0 T |
|  | | | |
| 014661 | Vault Safe Service Mode Indicator | DigitalGrid | DG-700 |
|  | | | |
| 015157 | Oil Temperature Sensor Installation Kit: includes (1) DG-665-01 Oil Temperature Sensor and (1) 859-00029 Stainless Steel Reducing Bushing | DigitalGrid | DG-665KT-01 |
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7. References

SCL Material Standard 4381.03; "Network Protector Relay Kits"

SCL Material Standard 4381.05; "Network Protector Transmitter Kits"

8. Sources

Lu, Curtis; SCL Standards Engineer and originator of 4381.07

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