Seattle City Light
MATERIAL STANDARD

Standard Number: **6858.18**
Superseding: New
Effective Date: August 8, 2019
Page: 1 of 2

Heat Sensors

1. Scope

This standard covers the requirements for heat sensors.

This standard applies to Seattle City Light (SCL) Stock No. 765845.

2. Application

Heat sensors are used in conjunction with a fire protection control cabinet to monitor conditions in spot network vaults and send trip signals to network protectors, if necessary.

See SCL NCB-141 for installation guidelines. See SCL 6858.15 for fire protection control cabinets.

3. Requirements

Heat sensors shall be as described below:

- Hermetically sealed
- Tamper proof
- Shock and vibration resistant
- Suitable for installation in a 1/2-inch conduit knockout
- Close at 225 degrees

4. Marking

Each sensor shall be marked with:

- Manufacturer identification
- Date of manufacture (month and year)
- UL listing

Standards Coordinator Brett Hanson	Standards Supervisor John Shipek	Unit Director Andrew Strong

Standard Number: **6858.18**

Seattle City Light
MATERIAL STANDARD
Heat Sensors

Superseding: New
Effective Date: August 8, 2019
Page: 92 of 2

5. Packaging

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

Each package shall be legibly marked with:

- Manufacturer identification
- Product description
- Date of manufacture (month and year)
- Seattle City Light stock number

Each shipping container shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- Seattle City Light purchase order number

6. Issuance

Stock Unit: EA

7. Approved Manufacturer

Manufacturer Name	Part No.
Fenwal	12-E27121-000-225F (formerly 27121-0-225)

8. References

SCL Construction Guideline NCB-141; "Fire Detection Installation Details and Wiring Diagram for Wet Vaults"

SCL Material Standard 6858.15; "Fire Protection Control Cabinets"

9. Sources

Hanson, Brett; SCL Standards Engineer and originator of 6858.18
(brett.hanson@seattle.gov)