

**CITY OF NEW YORK
DEPARTMENT OF BUILDINGS**

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

**Patricia J. Lancaster, F.A.I.A., Commissioner
MEA 63-05-E**

Report of Material and Equipment Acceptance Division

Manufacturer – System Sensor, Unincorporated Division of Honeywell International Inc., 3825 Ohio Avenue, St. Charles, Illinois 60174.

Trade Name – System Sensor, Fike.

Product – Fire Alarm Equipment.

Pertinent Code Sections – RS 17-3, RS 4-6 (886-89-BCR).

Tests – UL 521.

Laboratories - Underwriters Laboratories Inc.

Test Reports – UL File S2101, Projects 02NK35207, 04CA25241, issued October 29, 2004. UL Multiple Listing Correlation Sheet File No. S4067, issued January 24, 2005.

Description – Fire Alarm Equipment – Heat Detectors.

System Sensor Model No.	Fike Model No.	Description
ED-T	60-1039	Heat Detector
ED-IT	60-1040	Heat Detector

Heat Detector, analog, programmable electronic fixed temperature or combination electronic/fixed temperature and rate-of-rise, Models ED-TI, ED-T.

Detector/Base Compatibility:

Detector	Compatible Bases
ED-TI	EBFI, EBI
ED-T	EBF, EB

Engineering Considerations:

General – The product covered by this report is intended to detect an abnormally high temperature or an abnormal rate of temperature rise in the area in which it is installed and to signal a fire alarm control panel during this condition. Each unit consists of resistors, capacitors, diodes, thermistors, and integrated circuit, mounted on a printed wiring board inside an enclosure which has an opening to the outside air.

Control Panel Compatibility –

Detector	Compatible Control Panel	Alarm Threshold Range
ED-TI, ED-T	Fike Cybercat	**

** indicates that the alarm threshold is not programmed through the Fike Cybercat control panel. Instead, the alarm threshold is programmed using the Fike Cybertrax software, which, when loaded on a computer, can be connected to the Fike Cybercat panel via a serial interface to RJ45 connection. The Cybertrax software used to program the detectors shall be version 1.0.1685.14078 and is referenced by program name (Cybertrax) and version number 1.0.1685.14078 in the Fike Cybercat control panel programming manual. Future changes to the Cybertrax software shall be reviewed to verify that the alarm threshold settings allowed by the Cybertrax software are within allowable ranges. For ED-TI and ED-T the allowable range for the alarm threshold is between 135°F (B6 hex) and 190°F (DE hex). The Rate-Of-Rise feature is programmable through the Cybertrax software. The detectors leave the factory with fixed sensitivity settings of B6.

General Character:

The basic differences between these models:

Model ED-TI and ED-T are identical except that model ED-TI contains short circuit isolators.

Programmable Ranges:

Model	Fixed Temperature Rating	Spacing	Alarm Threshold
ED-T ED-TI	135 – 155°F	50 Feet	B6 – BF
ED-T ED-TI	165 – 174°F	15 Feet	C3 – D0
ED-T ED-TI	175 – 190°F	50 Feet	D4 – DE

The programmable alarm thresholds are 135, 140, 145, 150, 155, 160, 165, 170, 174, 175, 180, 185, and 190°F.

Ratings –

Detector	Base	Normal Standby		Alarm	
		Voltage, V dc	Current	Voltage, V dc	Alarm
ED-TI	EBFI, EBI	21.6 V	215 μ A	21.6 V	2mA
ED-T	EBF, EB				

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992. The Bureau of Fire Prevention has no objections Letter dated February 23, 2005, F.P. Index No. 0502046.

Recommendations - That the above units be accepted on condition that all uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17, and Reference Standard 17-3. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72 and the UL Standard. These products shall be used only with compatible, listed and approved control panels and accessories.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance May 26, 2005.
Examined by Donald J. Jd