

**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 400-92-E Vol. XIII  
Report of Material and Equipment Acceptance Division**

**Manufacturer – Edwards Systems Technology, 6411 Parkland Drive, Sarasota, FL 34243. Phone: 941-739-4200.**

**Trade Names – EST, Edwards, Mirtone, ADT, Honeywell, Siemens, Telaire.**

**Product – Duct Smoke Detectors, EC Series Bases.**

**Pertinent Code Sections – Section 27-968 through 977, Subchapter 17 and Reference Standard RS 17-3, RS 17-3A, RS 17-3B, and RS 17-3C of the New York City Building Code.**

**Tests – UL 268, UL 268A, UL464.**

**Laboratory - Underwriters Laboratories Inc.**

**Test Reports –**

<b>UL File Number</b>	<b>Dated</b>	<b>Revised</b>
<b>UL File S853, Project 03CA37819, Vol. 23, Sec. 1</b>	<b>4/27/04</b>	<b>12/22/04</b>
<b>UL File S853, Project 03CA37819, Vol. 24, Sec. 1</b>	<b>4/28/04</b>	<b>12/22/04</b>
<b>UL File S853, Project 03CA37819, Vol. 25, Sec. 1</b>	<b>4/29/04</b>	
<b>UL File S2490, Project 03CA37819, Vol. 6, Sec. 1</b>	<b>4/30/04</b>	<b>12/22/04</b>
<b>UL File S2490, Project 03CA37819, Vol. 6, Sec. 2</b>	<b>5/1/04</b>	
<b>UL File S2490, Project 03CA37819, Vol. 6, Sec. 3</b>	<b>5/2/04</b>	
<b>UL File S853, Project 01NK37680, Vol. 11, Sec. 1</b>	<b>2/8/02</b>	<b>3/9/04</b>
<b>UL File S853, Project 03NK23377, Vol. 11, Sec. 2</b>	<b>3/22/04</b>	
<b>UL File S2490, Project 02NK14578, Vol. 2, Sec. 1</b>	<b>4/18/02</b>	<b>5/3/03</b>
<b>UL File S2490, Project 04NK03509, Vol. 2, Sec. 2</b>	<b>3/17/04</b>	<b>10/12/04</b>

**Description – Signature Series SuperDuct analog detectors for duct mounting and for use on EST and related EST brand addressable control panels. A 4-wire version of the SuperDuct detector designed to operate on any fire alarm system since they are supplied by a separate source of power. The 4 wire SuperDuct is a multi-voltage detector and is field selectable for 24 vdc, 24 vac, 120 vac, or 240 vac operation. Detector bases for use with the EC series conventional detectors.**

EST Cat. No.	Signature Series SuperDuct	UL File Number
SIGA-SD	Signature series duct detector	S853, Vol. 24, Sec. 1
SIGA-LED	Signature series remote LED	S2490, Vol. 2, Sec. 1
SD-TRM	Remote test and reset station, magnet operated	S2490, Vol. 6, Sec. 1
SD-TRK	Remote test and reset station, key operated	S2490, Vol. 6, Sec. 1
SIGA-SDPCB	Replacement Signature sensor kit	S853, Vol. 23, Sec. 1

EST Cat. No.	4 Wire SuperDuct	UL File Number
ESD-ST	Duct smoke sensor with terminals	S853, Vol. 24, Sec. 1
ESD-SJ	Duct smoke sensor with RJ-45 jack	S853, Vol. 24, Sec. 1
ESD-4WJ	Duct smoke sensor and controller with RJ-45 jack	S853, Vol. 24, Sec. 1
ESD-CT	Controller with terminals	S853, Vol. 25, Sec. 1
ESD-CJ	Controller with RJ 45 jack	S853, Vol. 25, Sec. 1
SD-4WPCBT	Replacement 4 wire smoke sensor with terminals	S853, Vol. 23, Sec. 1
SD-4WPCBJ	Replacement 4 wire smoke sensor with RJ-45 jack	S853, Vol. 23, Sec. 1
SD-TRK4	Remote test and reset station, key operated	S2490, Vol. 6, Sec. 1
SD-TRM4	Remote test and reset station, magnet operated	S2490, Vol. 6, Sec. 1
SD-RJ5	5 feet cable assembly with RJ-45 plug	S2490, Vol. 6, Sec. 2
SD-RJ10	10 feet cable assembly with RJ-45 plug	S2490, Vol. 6, Sec. 2
SD-RJ15	15 feet cable assembly with RJ-45 plug	S2490, Vol. 6, Sec. 2

EST Cat. No.	SuperDuct Accessories	UL File Number
SD-T8	Sampling tube, 8 inches	S853, Vol. 24, Sec. 1
SD-T18	Sampling tube, 18 inches	S853, Vol. 24, Sec. 1
SD-T24	Sampling tube, 24 inches	S853, Vol. 24, Sec. 1
SD-T36	Sampling tube, 36 inches	S853, Vol. 24, Sec. 1
SD-T42	Sampling tube, 42 inches	S853, Vol. 24, Sec. 1
SD-T60	Sampling tube, 60 inches	S853, Vol. 24, Sec. 1
SD-T78	Sampling tube, 78 inches	S853, Vol. 24, Sec. 1
SD-T120	Sampling tube, 120 inches	S853, Vol. 25, Sec. 1
SD-GSK	Cover gasket for harsh environment	S2490, Vol. 6, Sec. 3

EST Cat. No.	EC Series Bases	UL File Number
CSBU-1	Smoke detector base for EC series	S853, Vol. 11, Sec. 1
CSBU-3	Smoke detector base with resistor for EC series	S853, Vol. 11, Sec. 1
CR4BU-1	Smoke detector base with relay for EC series	S853, Vol. 11, Sec. 1
CS4BU-1	Smoke detector base for EC series	S853, Vol. 11, Sec. 2

<b>Edwards Signaling</b>	<b>4 Wire SuperDuct</b>	<b>UL File Number</b>
<b>SD-ST</b>	<b>Duct smoke sensor with terminals</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>SD-SJ</b>	<b>Duct smoke sensor with RJ-45 jack</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>SD-4WJ</b>	<b>Duct smoke sensor and controller with RJ-45 jack</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>SD-CT</b>	<b>Controller with terminals</b>	<b>S853, Vol. 25, Sec. 1</b>
<b>SD-CJ</b>	<b>Controller with RJ 45 jack</b>	<b>S853, Vol. 25, Sec. 1</b>
<b>SD-4WPCBT</b>	<b>Replacement smoke sensor with terminals</b>	<b>ML S6287</b>
<b>SD-4WPCBJ</b>	<b>Replacement smoke sensor with RJ-45 jack</b>	<b>ML S6287</b>
<b>SD-TRK4</b>	<b>Remote test and reset station, key operated</b>	<b>ML S6671</b>
<b>SD-TRM4</b>	<b>Remote test and reset station, magnet operated</b>	<b>ML S6671</b>
<b>SD-GSK</b>	<b>Cover gasket for harsh environment</b>	<b>ML S6671</b>
<b>SD-RJ5</b>	<b>5 feet cable assembly with RJ-45 plug</b>	<b>ML S6671</b>
<b>SD-RJ10</b>	<b>10 feet cable assembly with RJ-45 plug</b>	<b>ML S6671</b>
<b>SD-RJ15</b>	<b>15 feet cable assembly with RJ-45 plug</b>	<b>ML S6671</b>

<b>Telaire Cat. No.</b>	<b>4 Wire SuperDuct</b>	<b>UL File Number</b>
<b>TSD-ST</b>	<b>Duct smoke sensor with terminals</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>TSD-SJ</b>	<b>Duct smoke sensor with RJ-45 jack</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>TSD-4WJ</b>	<b>Duct smoke sensor and controller with RJ-45 jack</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>TSD-CT</b>	<b>Controller with terminals</b>	<b>S853, Vol. 25, Sec. 1</b>
<b>TSD-CJ</b>	<b>Controller with RJ 45 jack</b>	<b>S853, Vol. 25, Sec. 1</b>
<b>TSD-CJG</b>	<b>Controller with RJ 45 jack and gasket</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>TSD-SJG</b>	<b>Duct smoke sensor with RJ 45 jack and gasket</b>	<b>S853, Vol. 25, Sec. 1</b>
<b>SD-4WPCBT</b>	<b>Replacement smoke sensor with terminals</b>	<b>ML S8364</b>
<b>SD-4WPCBJ</b>	<b>Replacement smoke sensor with RJ-45 jack</b>	<b>ML S8364</b>
<b>SD-TRK4</b>	<b>Remote test and reset station, key operated</b>	<b>ML S8361</b>
<b>SD-TRM4</b>	<b>Remote test and reset station, magnet operated</b>	<b>ML S8361</b>
<b>SD-GSK</b>	<b>Cover gasket for harsh environment</b>	<b>ML S8361</b>
<b>SD-RJ5</b>	<b>5 feet cable assembly with RJ-45 plug</b>	<b>ML S8361</b>
<b>SD-RJ10</b>	<b>10 feet cable assembly with RJ-45 plug</b>	<b>ML S8361</b>
<b>SD-RJ15</b>	<b>15 feet cable assembly with RJ-45 plug</b>	<b>ML S8361</b>

<b>Mirtone Cat. No.</b>	<b>Signature Series SuperDuct</b>	<b>UL File Number</b>
<b>GSA-SD</b>	<b>Signature series duct detector</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>GSA-LED</b>	<b>Signature series remote LED</b>	<b>ML S6232</b>
<b>GSA-SDPCB</b>	<b>Replacement Signature sensor kit</b>	<b>S853, Vol. 23, Sec. 1</b>

<b>Mirtone Cat. No.</b>	<b>4 Wire SuperDuct</b>	<b>UL File Number</b>
<b>SD-4WPCBT</b>	<b>Replacement smoke sensor with terminals</b>	<b>ML S6233</b>
<b>SD-4WPCBJ</b>	<b>Replacement smoke sensor with RJ-45 jack</b>	<b>ML S6233</b>
<b>SD-ST</b>	<b>Duct smoke sensor with terminals</b>	<b>ML S6233</b>
<b>SD-SJ</b>	<b>Duct smoke sensor with RJ-45 jack</b>	<b>ML S6233</b>
<b>SD-CT</b>	<b>Controller with terminals</b>	<b>ML S6233</b>
<b>SD-CJ</b>	<b>Controller with RJ 45 jack</b>	<b>ML S6233</b>
<b>SD-4WJ</b>	<b>Duct smoke sensor and controller with RJ-45 jack</b>	<b>ML S6233</b>
<b>SD-TRK4</b>	<b>Remote test and reset station, key operated</b>	<b>ML S6233</b>
<b>SD-TRM4</b>	<b>Remote test and reset station, magnet operated</b>	<b>ML S6233</b>
<b>SD-GSK</b>	<b>Cover gasket for harsh environment</b>	<b>ML S6233</b>
<b>SD-RJ5</b>	<b>5 feet cable assembly with RJ-45 plug</b>	<b>ML S6233</b>
<b>SD-RJ10</b>	<b>10 feet cable assembly with RJ-45 plug</b>	<b>ML S6233</b>
<b>SD-RJ15</b>	<b>15 feet cable assembly with RJ-45 plug</b>	<b>ML S6233</b>

<b>Honeywell Cat. No.</b>	<b>Signature Series SuperDuct</b>	<b>UL File Number</b>
<b>XLS-SD</b>	<b>Signature series duct detector</b>	<b>S853, Vol. 24, Sec. 1</b>
<b>GSA-LED</b>	<b>Signature series remote LED</b>	<b>ML S2463</b>
<b>XLS-SDPCB</b>	<b>Replacement Signature sensor kit</b>	<b>S853, Vol. 23, Sec. 1</b>

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 April 5, 2005, F.P. Index No. 0503046.

Recommendation - That the above units be accepted on condition that:

1. All uses, configurations, arrangements and functions, applications and installations shall comply with the provisions of New York City Buildings Code, specifically Subchapter 17, and Reference Standards RS 17-3 through 17-5. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72, and the UL Standard.
2. The above referenced products shall be used only with compatible, listed and MEA approved control panels and accessories.
3. UL and manufacturer's maintenance procedures and limitations shall be complied with.

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 accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance July 18, 2005  
Examined By Donald [Signature]