Technical Service Note

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Concerns: 2-wire Smoke Detector Compatibility

Affects: DS7080i Control Panel

Dated: December 13, 1995

ds ®

**The following is a list of 2-wire smoke detectors that have proven to be compatible
with the DS7080i Control Communicator
under the method required by Underwriter's Laboratories.**

- 2-wire smoke detectors that are not listed as compatible should **not** be used with the DS7080i.

- When mixing different model number detectors manufactured by Detection Systems, a maximum of 20 detectors may be used per loop.

- 2-wire smoke detectors of different manufacturers or detectors of different model numbers not manufactured by Detection Systems may not be mixed on the same circuit.

- At this time, U.L. does not require compatibility cross listing of smoke detectors when installed in a 4-wire configuration. Listed 4-wire smoke detectors must be rated to operate over the range of the panel's output.

Manufacturer	Detector Model	Detector Identifier	Mounting Base Model	Base Identifier	Detectors Per Zone
Detection Systems	DS200/DS200HD	A	MB200-2W	B	20
Detection Systems	DS250/DS250TH	A or B	MB2W or MB2WL	A	20
Detection Systems	DS260	A	MB2W or MB2WL	A	20
Detection Systems	DS282/DS282TH	B	N/A	N/A	20
Electro Signal Lab	425C	S10	N/A	N/A	20
Electro Signal Lab	425CT	S10	N/A	N/A	20
Electro Signal Lab	611U	S10	601U	S00	20
Electro Signal Lab	611UT	S10	601U	S00	20
Electro Signal Lab	612U	S10	601U	S00	20
System Sensor	1400	A	N/A	N/A	20
System Sensor	2300T	A	N/A	N/A	20
System Sensor	2400	A	N/A	N/A	20
System Sensor	2400TH	A	N/A	N/A	20
System Sensor	1451	A	B401 or B401B	A	20
System Sensor	1451DH	A	DH400	A	20
System Sensor	2451TH	A	B401 or B401B	A	20
System Sensor	2451	A	B401, B401B, or DH400	A	20

Disclaimer Notice: Detection Systems, Inc. makes no claim either written, oral, or implied that any smoke detectors, other than the ones listed here, will work with the DS7080i Control Communicator.