

## Smoke Detector Compatibility List

### 1.0 Listings and Approvals

Underwriters Laboratories (UL) lists the D6412 Control/Communicator as a Digital Alarm Communicator Transmitter (DACT) for NFPA 72 Household Fire Warning. The D6412 Control/Communicator is not suitable for commercial fire applications.

### 2.0 Four-Wire Smoke Detectors

Whenever four-wire smoke detectors are used, a suitable power supervision device must be installed according to the manufacturer's instructions. Any number of 12 VDC four-wire smoke detectors can be connected to the D6412 control/communicator (subject to available AUX power and local Authority Having Jurisdiction [AHJ] restrictions).

Route the power for the detectors through one or more of the D6412's programmable outputs (PO1 to PO4) programmed for the reset function. Note that outputs PO2 to PO4 require a D133 or D134 Relay Module. Press [Cmd] + [4] + [7] to activate the Reset function.

### 3.0 Two-Wire Smoke Detectors

Two-wire smoke detectors must be evaluated for electrical compatibility and must be UL listed for use with the D6412 Control/Communicator. Refer to Table 1 on the reverse side of this page for a list of compatible two-wire smoke detectors. Table 1 also shows the maximum number of detectors that can be connected to Point 1 of the D6412 Control/Communicator. You may also consult the smoke detector manufacturer to determine if a particular smoke detector is UL listed for use with the D6412 Control/Communicator.

Reset capacity is available from the command centers. Press [Cmd] + [4] + [7] to activate the Reset function.

### 4.0 Two-Wire Detector Specifications

The voltage range listed below is not intended for use by the installing company to determine compatibility.

Voltage Range	8.0 VDC to 14.0 VDC
UL Compatibility Identifier	Type B



***The control unit does not differentiate multiple detectors in alarm. Detectors from different manufacturers must not be mixed on the same circuit.***

### 5.0 NFPA Style A (Class B) Circuit

Point 1 on the D6412 Control/Communicator is an NFPA Style A (Class B) Initiating Circuit suitable for connection of any fire alarm initiating device, including two-wire smoke detectors.

Manufacturer	Detector Model	Base Model	Max # of detectors on Point 1
Radionics	D262	D261A	15
Detection Systems	DS200	MB200-2W	15
	DS200HD	MB200-2W	15
	DS250	MB2W, MB2WL	12
	DS250TH	MB2W, MB2WL	12
	DS282	N/A	12
	DS282TH	N/A	12
	DS282THS*	N/A	12
System Sensor	1151	B110LP	10
	1400	N/A	10
	1451	B401B	10
	2151	B110LP	10
	2300B	N/A	10
	2300T	N/A	10
	2400	N/A	10
	2400TH	N/A	10
	2451	B401B	10
	2451TH	B401B	10
ESL	422C	N/A	15
	422CT	N/A	15
	429CST	N/A	10*
	429CSST	N/A	10*

\* D132A Smoke Detector Reversing Module required.

**Table 1: UL Listed Two-Wire Smoke Detectors Compatible with the D6412 Control/Communicator Point 1**