Technogram

Radionics™

Smoke Detectors Compatible with the D2012

Listings and Approvals

Underwriters Laboratories lists the D2012 Control/Communicator as a Digital Alarm Communicator Transmitter (DACT) for NFPA 72 Household Fire Warning. The D2012 is not suitable for commercial fire applications.

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 D2012 (subject to available AUX power and local AHJ restrictions).

Route the power for the detectors through a D133 or D134 Relay Module. The relay module must be connected to one of the D2012's external relay outputs programmed for the Reset function. Reset capability is available from the command centers. Press Key 3, then enter a valid passcode to activate the Reset System function.

Two-Wire Smoke Detectors

Two-wire smoke detectors must be evaluated for electrical compatibility and must be UL listed for use with the D2012. Refer to Table A on the reverse side of this page for a list of compatible two-wire smoke detectors. Table A also shows the maximum number of detectors that can be connected to point 1 of the D2012. You may also consult the smoke detector manufacturer to determine if a particular smoke detector is UL listed for use with the D2012.

Reset capacity is available from the command centers. Press Key 3, then enter a valid passcode to activate the Reset System function.

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

NOTE:
- The control unit does not support multiple detectors in alarm.
- Detectors from different manufacturers must not be mixed on the same circuit.

NFPA Style A (Class B) Circuit

Point 1 on the D2012 is an NFPA Style A (Class B) Initiating Circuit suitable for connection of any fire alarm initiating device, including two-wire smoke detectors.

TABLE A: UL Listed Two-Wire Smoke Detectors Compatible with D2012 Point 1

MANUFACTURER	DETECTOR MODEL	BASE MODEL	Maximum number 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
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	2
	429CSST	N/A	2