

Control/Communicators D2000 Series

Technogram

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Affects: Compatible Smoke Detectors

1.0 Listings and Approvals

UL Lists the D2000 Series Control/Communicators as Digital Alarm Communicator Transmitters (DACT) for NFPA 72 Household Fire Warning. The D2000 Series Control/Communicators are not suitable for commercial fire applications.

2.0 Two-Wire Detector Specifications

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.

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 D2000 Series Control/Communicators. Refer to *Table 1* on page 2 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 D2000 Series Control/Communicators. You may also consult the smoke detector manufacturer to determine if a particular smoke detector is UL Listed for use with the D2000 Series Control/Communicators.

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

4.0 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 D2000 Series Control/Communicators (subject to available AUX power and local Authority Having Jurisdiction [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 D2000 Series Control/Communicator's external relay outputs programmed for the Reset function. Reset capability is available from the command centers. Press the [3] key, then enter a valid passcode to activate the Reset System function.

5.0 NFPA Style A (Class B) Circuit

Point 1 on the D2000 Series Control/Communicators 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	Maximum number of detectors on Point 1
Bosch Security Systems	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
Radionics	D262	D261A	15
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. Not for use with the D2112 Control/Communicator.

Table 1: UL Listed Two-Wire Smoke Detectors
Compatible with the D2000 Series Control/Communicators Point 1