

General Specifications

Size

1.75" H x 5.5" dia.
(44.5 mm h x 140 mm dia.)

Weight

5.3 oz. (150 grams)

Humidity Range

10% to 93% RH, noncondensing

Electrical Ratings

Operating Voltage

12 VDC (nominal)

Relay Contact Rating

1 Form A, .5 A @ 30 VDC

Residential Smoke Detector Placement

As defined in NFPA72 "Smoke detectors shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms and on each additional story of the family living unit, including basements and excluding crawlspaces and unfinished attics. In new construction, a smoke detector shall also be installed in each sleeping room".

Standby Current

60 µA maximum average

Temperature Range

32° to 120°F (0° to 50°C)

Alarm Current

20 mA maximum average @ 12 VDC

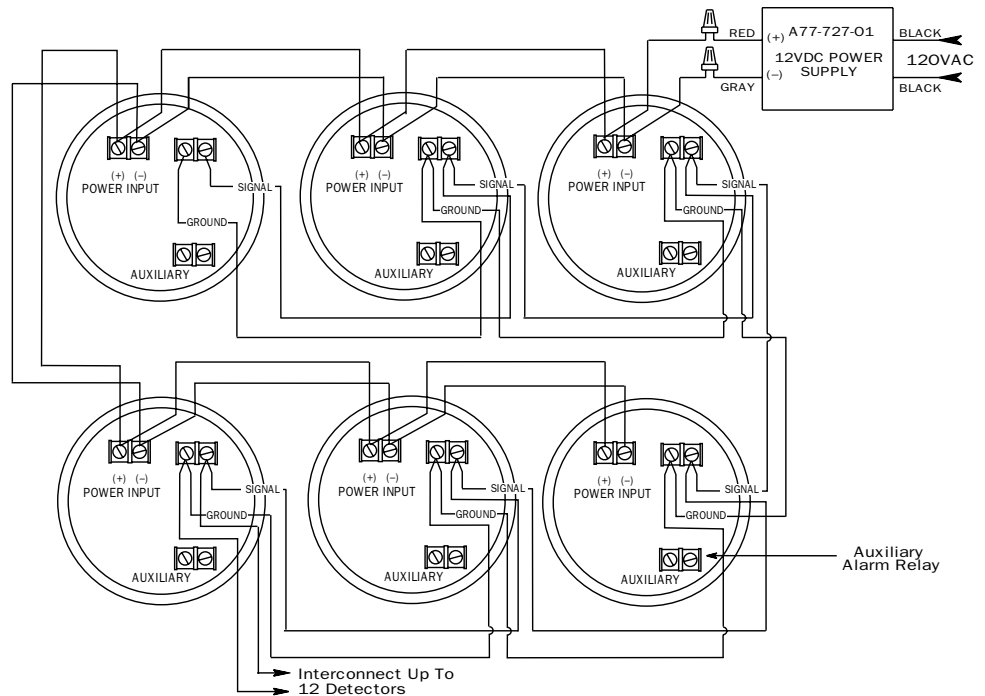
2012H Wiring Diagram

Maximum power bus length (in feet), given number of units (maximum per bus) and wire size.

Wire Gauge	14 AWG	16 AWG	18 AWG
1 Unit	5000	3735	2349
2 Units	2970	1867	1174
3 Units	1980	1245	783
4 Units	1485	933	587
5 Units	1188	747	469
6 Units	990	622	391
7 Units	848	533	335
8 Units	742	466	293
9 Units	660	415	261
10 Units	594	373	234
11 Units	540	339	213
12 Units	495	311	195

Maximum interconnect bus length:
5,000 FT., No. 18AWG or larger dual conductor cable.

All wiring must conform to local electrical codes.



Ordering Information

Part Number	Description
2012H	Photoelectronic smoke detector with relay, 12 VDC, multiple station
A77-727-01	12 VDC power supply, mounts to a 4" square box, 2 1/8" deep

System Sensor Sales and Service

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