



**Radionics**<sup>TM</sup>

## D8125 and D9127 Addressable Expansion Modules Specification Sheet

### Features

- Provides point identification of initiating devices
- Supervises wiring to devices for circuit integrity
- Compatible with D7212, D7412, D8112, D9112, D9412, and D9124 Control/Communicators
- Expands the number of points of protection in the system
- Compact size
- Terminal connections for reliability
- Multiplex technology
- Low installation costs

### Description

The D8125 and D9127U/T expansion modules are a proven multiplex technology combining zone/point supervision with individual device addressing on one pair of wires. The control/communicators use the D8125 to provide for expansion beyond the standard number of zones up to a total of 240 points of protection. Each D8125 module can fully supervise 120 D9127U/T (Untampered and Tampered) POPITs (Point of Protection Input Transponders).

The D9127 is a compact, addressable device. Future system expansion is very economical as they can be spliced in anywhere along the two wire data expansion loop from the D8125 module. Four screw terminals provide reliable connections for the data expansion loop and supervised sensor loop wiring.

### Application

The D8125 and D9127U/T Modules are used when there is a need to expand the appropriate control/communicators beyond their standard number of on-board initiating zones or points.

### Listings and Approvals

- UL listed
- NYC-MEA approved
- CSFM listing no. for D8125 and D9127:  
7167-801:104 (household)  
7165-801:102 (non-highrise)

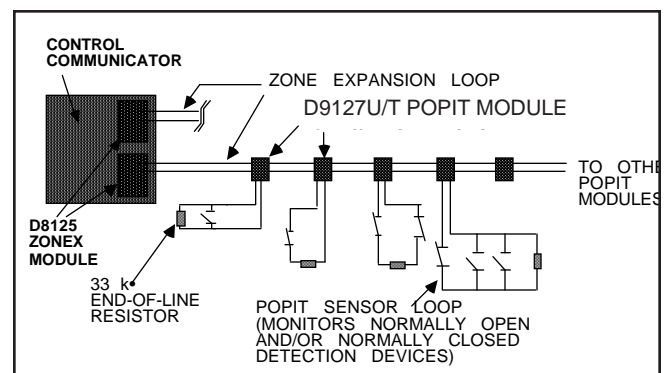


### Installation

The D7212 and D7412 control/communicator uses one D8125 expansion module to provide a maximum of 40 additional points of protection.

Up to two model D8125 expansion modules can be used with the D8112, D8124, D9112, D9412, and D9124 control/communicators. The D9124 Control/Communicator basic system comes with an integral D8125 module and can accept one additional module. Each D8125 installs in the control panel enclosure or in an adjacent approved enclosure. You can supervise up to 120 D9127 POPITs with each D8125 module.

The D9127U/T POPIT modules are suitable for applications where specifications call for point identification from each initiating device or series of devices. The units are small, and easily installed in standard outlet boxes, above false ceilings, closets, or other accessible locations.



## Ordering Information

Model	Description
D8125	D7212, D8112, D9112, D9412, D9124 Expansion Module
D9127U/T	Point of Protection Transponder

## Electrical Specifications

Operating Voltage	Nominal 12 VDC supplied by control/communicator
Operating Current	50 mA per D8125 module plus 0.5 mA per D9127U/T module

## Operational Data

Each D8125 expansion module monitors the D9127 POPITs over a two-conductor supervised data expansion loop. Off-normal sensor loops (open or shorted), missing, and extra POPITs are quickly identified by device address and the information relayed to the control/communicator.

Each D9127 provides one supervised point of protection. Normally open and/or normally closed contacts may be connected on the same sensor loop. A 33kΩ EOL resistor is provided to be installed at the furthest point on the loop for proper supervision.

## Specifications

The contractor shall furnish and install the D9127 POPIT expansion modules as indicated on the plans. Each POPIT shall provide a supervised sensor loop for initiating devices and identify the device status in off-normal conditions. Each POPIT shall be assigned a device address as indicated on the plans and annunciate at the specified locations. The POPITs shall connect to a 2-wire data expansion loop from a D8125 installed in the control/communicator enclosure.

The D8125 module shall be used for D9124, D9112, D9412 or D8112 control/communicators and provide supervision for up to 63 or 120 D9127 POPITs on each of up to two modules.

The D8125 module shall be used for D7212 control/communicators and provide supervision for up to 40 D9127 POPITs.

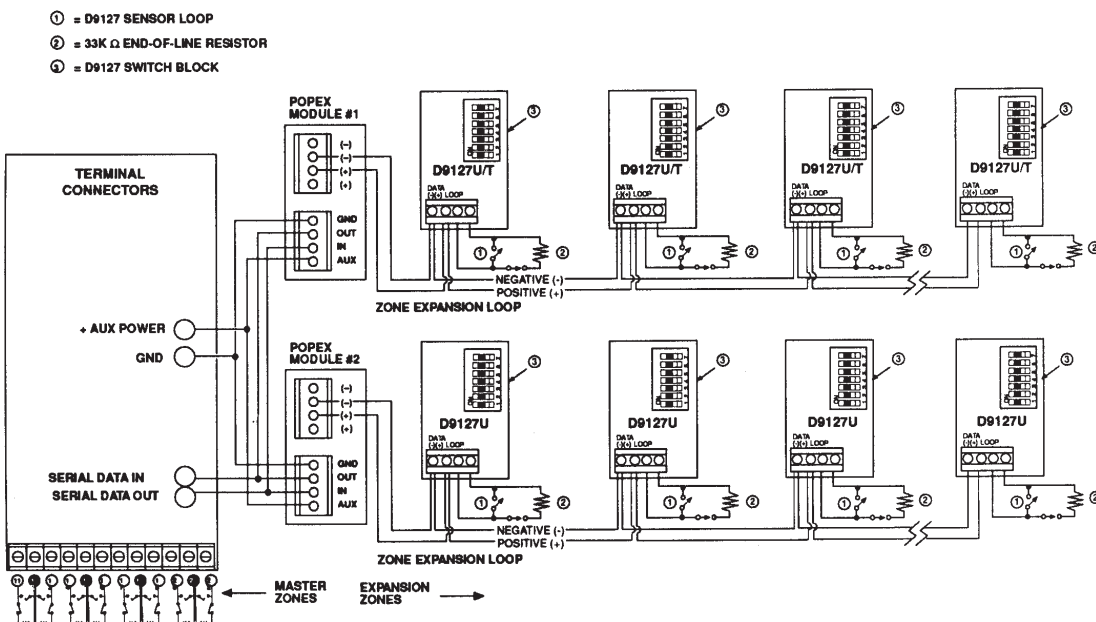
Specified Radionics control/communicators shall be capable of providing device point identification to a remote Radionics D6500 receiver using the Modem II reporting format. All wiring shall be in accordance with the manufacturer's instructions and follow all applicable codes.

## Dimensions

D8125/D8125X: 5" L x 3" W x 3/4" D

D9127U/T: 3 3/16" L x 1 1/2" W x 7/8" D

## Wiring Information



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