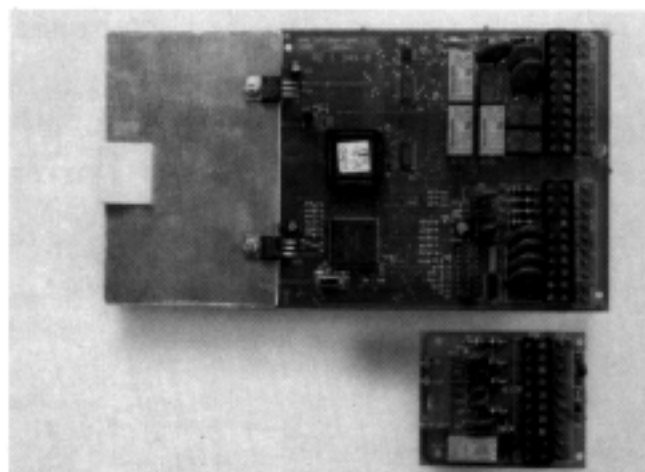


READYKEY® K2050 Alarm Access Integration Module and K2051 Access Prohibiter Specification Sheet

Features

K2050

- Uses Readykey electronic keys or cards to disarm an area on D7212 or D9112 Control/Communicators
- A four-wire connection integrates the door controller with the control/communicator up to 2000 feet away
- A fifth wire can be used to supervise the K2050's SDI Bus communication with the security panel
- Plug-in module is easy to install in the door controller enclosure
- Programmable levels can change the armed state of area security
- Reduces false alarms by disarming the security alarm before allowing access
- Authorized entry can automatically unlock the door for the remainder of the day



K2051

- Optional K2051 reduces false alarms by prohibiting the door controller from opening the attached door while the secured area is armed
- Install multiple K2051 modules with a single K2050

Description

The K2050 is an accessory module used with Readykey K2100 or K1100 Door Controllers (date code of X0006 or later), and Radionics D7212 or D9112 Control/Communicator security panels. By installing the Radionics security panel, the Readykey door controller, and K2050 modules, users can enter the building and automatically disarm the area by presenting an electronic key to a Readykey reader. Integrating the access and security systems makes the combined system easier to use and reduces false alarms.

Application

You can use the K2050 and K2051 to control access through perimeter or interior doors in areas where a separate D7212 or D9112 security system is installed. You can use the K2050 in post office box lobbies, mini-storage facilities, apartment complex laundry rooms and club houses, secured areas in schools, businesses, manufacturing facilities, and a wide variety of other applications.

Operation

Users with the appropriate level present their access keys to the reader causing the security system to change from an armed state to disarmed, or perimeter armed. The door temporarily unlocks and allows entry into the protected area.

The K2050 grants access only to electronic keys with the appropriate authority level. The system administrator assigns one of three different authority levels to each electronic key. The administrator can use Time Profiles to change the user's authority level at different times or on different days of the week. The user's ability to enter the area also changes with the arming and disarming of the security system.

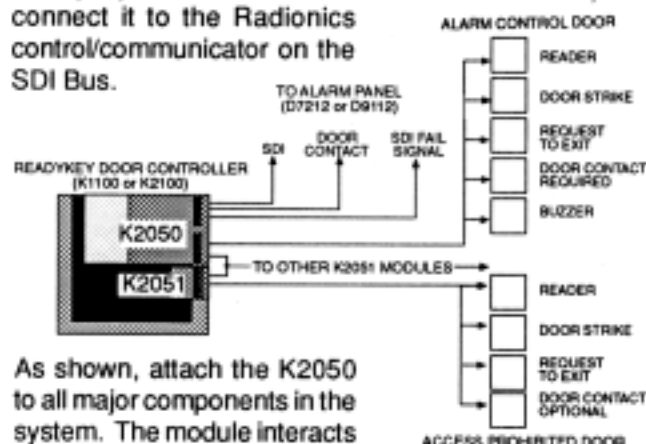
K2051 Access Prohibiter

The K2050 can also interface with one or more optional K2051 Access Prohibiter Modules. The K2051 plugs into one door channel on a door controller. Readers connected to the K2051 will not allow access to the area when the area is armed.

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Installation

The K2050 is installed inside of the door controller's enclosure. The K2050 plugs into two door channels on the K2100 or K1100 Door Controller. The two door channels allow you to connect one reader and one door, and associate that reader with one area on the security panel. It connects to the security panel on the SDI bus. You can connect up to two K2050 Alarm Access Integration Modules to the K2100 Door Controller. You can connect one K2050 to the K1100 Door Controller. The figure below shows a basic overview of the components in the system. Install the K2050 onto the Readykey door controller and connect it to the Radionics control/communicator on the SDI Bus.



As shown, attach the K2050 to all major components in the system. The module interacts with the door, the reader, request to exit, the door controller, the door held open buzzer, the Radionics panel and one or more K2051 Access Prohibiter modules.

K2051

The K2051 Access Prohibiter reduces false alarms by locking an access door to an area where the security system is armed. If the area is armed, the user's electronic key will not unlock the access door. When an authorized user presents an electronic key while the area's security system is disarmed or perimeter armed, the door attached to the K2051 will unlock.

The K2051 plugs into one door channel on the K2100 or K1100 Door Controller. The one channel allows you to connect one door and one reader.

Connecting multiple K2051 modules to a single K2050 restricts access to multiple access doors while the area security system is armed.

Listings and Approvals

UL 294: Access Control
UL 1076: Proprietary Burglar Units and Systems

Ordering Information

Model	Description
K2050	Alarm Access Integration Module
K2051	Access Prohibiter

Compatible Products

K2100 (Date code of X0006 or later)
K1100 (Date code of X0006 or later)
D9112 Control Communicator
D7212 Control Communicator

Electrical Specifications

Model	Description
Power	Supplied by the Readykey Door Controller
Current Required	Idle: 100 mA, armed or disarmed Maximum: 150 mA
Door Held Open Buzzer Output	100 mA @ 12 VDC
Wiring	Maximum resistance on the conductors connected to SDI BUS A and SDI BUS B is 25Ω.
Operating Temperature	32° to 122° F (0° to 50°C)
Relative Humidity	5 to 85% @ 86°F (30°C) Non-condensing

Specifications

The contractor shall furnish and install the Radionics K2050 and K2051 in conjunction with a D7212 or D9112 Control/Communicator where indicated on the plans. The K2050 shall provide capabilities that interconnect and interface the operations of the access door controller and security panel. When the user presents a valid and authorized Readykey electronic key or card to a Readykey reader, the K2050 shall first change the area's security from fully armed to perimeter armed or disarmed state before unlocking the door. The system shall offer time profiles to allow the door to remain unlocked until the time profile expires, or the area security is armed or perimeter armed.

Doors interfaced with the K2051 shall operate normally when the secured area is disarmed. When the security is perimeter or fully armed, the K2051 shall prevent access through the interfaced door by anyone, even persons with a valid Readykey electronic key or card.

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