

Specifications

Features

- Multifunction four- and two-door controllers
- Integral power supply with 12v or 24v lock outputs
- Full network capability
- Printer / RS232 connection
- Local or PC Administration

Description

The K2100 is a multi-function four-door controller which can be configured to operate as a standalone, local or remote master, or slave unit.

Each K2100, with the addition of readers and locks, provides a fully functioning access control system.

The K1100 has all the features and benefits of a K2100, but controls only two doors. The external appearance of a K1100 is exactly the same as K2100.

The door controller has a full alphanumeric keypad and a 16-character display. When in Stand-alone mode the front panel is used to administer the system.

The K2100/K1100 controllers can be ordered without the front programming panel. On networked systems, the panel is only used once to set up the system so a portable front panel may be used to program your controllers. This saves money on the larger systems.

Both the K2100 and K1100 door controllers can be installed in a steel enclosure, available separately.

The power supply can operate with an input from 85 VAC to 240 VAC and supplies all the power for the locks and the readers. The power supply automatically senses the voltage and adjusts itself accordingly. The supply to all locks is switchable from 12VDC @ 1Amp to 24VDC @ 0.5Amp per lock.

Application

The K2100 and K1100 door controllers can be used in different modes, as listed below:

Stand-alone Mode: In stand-alone mode, the door controller is administered from its front panel. Up to 16 doors may be controlled by the addition of up to



three K2100 or K1100 controllers, operating in slave mode. A hard-wired communications link needs to be installed between the master and slave controllers.

Slave Mode: All K2100 or K1100 controllers can be configured to operate as slave controllers. In this case, they are administered from either another controller in Stand-alone mode, or from a PC-based administration system, such as Readykey® for Windows™.

Local Master Mode: When a K2100 or K1100 controller is configured as a local master, it is administered from Readykey for Windows. The K2100 or K1100 local master is connected to the PC either directly or via a PC Interface Kit. Up to seven additional slave controllers may be added, to allow up to 32 doors to be controlled.

Remote Master Mode: This mode is similar to the local master mode, described above. However, the master K2100 or K1100 controller is connected to the administration PC via Readykey Central Network Controller (CNC). Communications to the CNC use RS-232, and may be either hard-wired (possibly using devices such as line drivers, fiber optic transceivers, etc.) or using dial-up modems.

If dial-up modems are used, then the K2100 or K1100 controller that is connected to the modem at the remote location may be programmed to 'dial-back' to the CNC in the event of an alarm event being generated at the remote site.

The K2100/K1100 controllers have four output relays that can be linked to time profiles or system events when using Readykey for Windows. For example, you can use a relay to control lighting operate a video camera or sound an alarm.



When the door controller is administered from Readykey for Windows, up to 10,000 key-holders may be stored, expandable to 18,000 by use of an enhanced memory module. When the door controller is being used in stand-alone mode, then up to 10,000 keyholders may be stored.

The K2100 can-control up to four doors. Full door monitoring is built in which includes inputs for requests to exit switches and door contacts.

The door controller can store up to 128 individual time profiles. These time profiles can be used to control various functions such as user access, door operation and alarms.

In order to edit the system an operator / master key must be presented before any changes can be made. Up to 32 operators plus one master can be programmed when in the stand-alone mode.

An RS232 output is provided which can be used as a printer output to give a print out of events on a standalone system. When in local or remote master configuration this port is used for communications.

Up to four Alarm Event Managers may be added to a K2100 (or two on a K1100). This allows extra inputs to be monitored and outputs controlled. All alarms are immediately passed back to the master or central point on the system. If the K2100/K1100 is connected remotely over a telephone line, it will automatically dial up the PC administration system to inform it of any alarms.

Help is available at the touch of a button. The help is context sensitive which means that help will be tailored to the function you are trying to perform.

Listings and Approvals

- UL 294 - Access Control System Units
- UL 1076 - Proprietary Burglar Alarm Systems
- CE

Ordering Information

Model	Description
K2100	Four-door controller
K1100	Two-door controller
K2100-LF	K2100 w/o front programming panel*
K1100-LF	K1100 w/o front programming panel*
K6110-L	Additional PC Workstation

Trademarks

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