READYKEY K2200/K1200 — Door Controller

Specification Sheet

Features

- Multifunction four or two door controllers

- Integral power supply, 12/24 VDC lock output

- Full network (6-wire bus) capability

- Printer / RS232 connection

- Local or PC Administration

- 2,500 Event Buffer (Time / Date Stamped)

- 10,000 Users* (expandable to 18,000)

- Wiegand Format Supported (Directly Connected)

- Entry/Exit Readers to 1 door channel (when using Readykey Readers)

- 30% Faster Downloads

* When Administered from Readykey for Windows

Description

The K2200 is a multifunction four-door (8 reader with Readykey Readers) controller which can operate as a stand-alone, local, remote master, or slave unit. Each K2200, with the addition of readers and locks, provides a fully functioning access control system.

The K1200 has the features, benefits and appearance of a K2200, but controls two doors (4 readers with Readykey Readers) and four Alarm Event Managers (2015A). Each door controller has a full alphanumeric keypad and a 16-character display. When in standalone mode the front panel is used to administer the system. Controllers on networked systems can be ordered without the front panel to save money on larger systems.
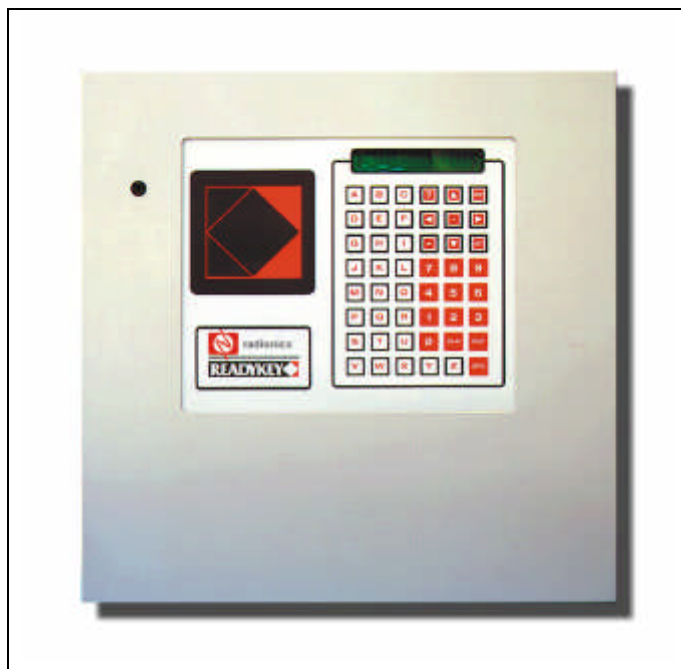
Both the K2200 and K1200 door controllers can be installed in a steel enclosure, available separately. The power supply can operate with an input from 85 VAC to 240 VAC (50/60 Hz) and supplies all the power for the locks and the readers. The power supply automatically senses the voltage and adjusts itself accordingly.

The supply to all locks is switchable from 12 VDC @ 1 A to 24 VDC @ 0.5 A per lock.

Application

The K2200 and K1200 door controllers can be used in different modes, as listed below:

- **STAND-ALONE MODE:** The door controller is administered from its front panel. Up to 3 additional slave controllers may be added to allow up to 16 doors to be controlled. A hard-wired communications link needs to be installed between the master and slave controllers.

- **SLAVE MODE:** All K2200 or K1200 controllers can be configured to operate as slave controllers. 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 K2200 or K1200 controller is configured as a local master, it is administered from Readykey for Windows. Local master is connected to the PC, either directly or via a PC Interface Kit. Up to 7 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 K2200 or K1200 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 (PSTN or TCP/IP) modems.

In Dial Up Mode (even when connected via TCP/IP pIPer modem) the K2200 or K1200 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 (or selected access granted events) being generated at the remote site.

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- **LOCAL CNC MODE:** Each CNC can connect to 32 door controllers (128 doors) at it's local site using a hardwired communications link.

- **RELAY OPERATION:** The K2200/K1200 controllers have eight on board output relays, with four that can be programmed for time profiles or system events. Readykey for Windows provides enhanced relay features. For example, you can use a relay to control lighting, operate a video camera or sound an alarm.

- **USERS:** When the door controller is administered from Readykey for Windows, up to 10,000 keyholders (plus 750 visitors) may be stored. The Controller can be expanded to 18,000 by use of an enhanced memory module. When the door controller is being used in stand-alone mode, up to 4,000 keyholders may be stored.

- **DOOR MONITORING:** The K2200 can control up to four separate doors, 8 readers (entry/exit). Full door monitoring is built in which includes inputs for request-to-exit switches and door contacts. The stand-alone door controller can store up to 32 individual time profiles (128 when used with Readykey for Windows).

  These time profiles can be used to control various functions such as user access, door operation and alarms.

- **OPERATORS:** Up to 32 operators, plus one master, can be programmed when in stand-alone mode (128 when using Readykey for Windows).

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

- **ALARM MONITORING:** Up to four Alarm Event Managers (AEMs - part number K2015A) may be added to a K2200 or a K1200. This allows extra inputs to be monitored and outputs controlled. All alarms can be immediately passed back to the system's master or central point. If the K2200/K1200 is connected remotely over a telephone line or TCP/IP, it can be configured to automatically dial up the PC administration system to inform it of any alarms.

- **READERS:** The K2200/K1200 can connect 2 Readykey readers or 1 Wiegand reader per reader channel. A K2012 Wiegand Interface is no longer required for using most 26 bit Wiegand devices unless a K2015A AEMs is connected to the same reader channel.

Specifications

Dimensions (H x W x D)	16 in. x 16 in. x 3.5 in. (40.1 cm x 40.1 cm x 9 cm)
Weight:	6.2 lbs. (2.8 kg)
Power Supply:	110-120 V or 220-240 V, 50 Hz or 60 Hz
Output Voltage:	12/24 VDC

Environmental:	
Temperature:	Door Controller: 0°C to +40°C (+32°F to +104°F)
	Reader: -40°C to +40°C (-40°F to +104°F)
Humidity:	0% to 90% RH (non-condensing

Listings and Approvals

- UL 294 – Access Control System Units
- UL Canada
- C€

Ordering Information

Model	Description
K2200	4 Door Controller with K2108 Readykey faceplate
K2200-LF	4 Door Controller Less Faceplate
K2200-KP	4 Door Controller with KeyPAC faceplate
K1200	2 Door Controller with K2108 Readykey faceplate
K1200-LF	2 Door Controller Less Faceplate
K1200-KP	2 Door Controller with KeyPAC faceplate
K2108	Front Panel (Readykey ID Technology)
K3108	Front Panel (KeyPAC ID Technology)

Call your authorized Readykey Dealer or Technical Support.

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