

● Features

- Controller supports two readers.
- Controller can control 2 independent doors or a single door.
- Use RS-232 or RS-485 to connect a single controller to a PC.
- Up to 16 controllers can be connected using a RS-485 network to a PC.
- Up to 32 independent doors can be controlled.
- The system supports 2000 tags.
- Each controller stores last 2000 transactions with date & time stamp in non-volatile memory. All transactions - including denied access, pushbutton and alarm conditions are logged.
- Optional Door Switch allows use of 4 timers to solve complex locking problems.
- Optional Exit Push Button for each door.
- Access control is achieved by assigning a user an Access Parameter.
- There are 2 predefined and 8 user defined Access Parameters. User defined parameters consist of 5 time zones for each day of week +holiday during which access is allowed or denied.
- Any number of days may be defined as a holiday.
- Daylight saving is supported.
- Timed anti-pass-back can be set to operate at any reader.
- Programmable pulse output on each controller to control an external device - can be used as a trigger for CCTV recording etc. or an alarm output for door left open and/or door forced open.

● Statement

The system is based on a controller that supports two Secure Card readers which can be mounted up to 50 meters from the controller with a simple 3-wire connection. The controller can be configured to operate a single door or two independent doors.

The controller has a RS-232 connection allowing single controller systems a simple means of connecting to a PC provided the cable run is less than 30 meters. The controller also has a RS-485 connection that will support up to 16 controllers connected in a RS-485 network to a PC thus allowing the control of up to 32 doors.

In this configuration the PC will require a 311 RS-232/485 Interface/Repeater to interface to the RS-485 network. The Secure Card readers are fully potted and suitable for mounting outdoors. Tampering with these readers will not compromise the systems security.

The security is further enhanced by using the Secure Card technology which prevents third party or duplicated cards operating on the system. The controller has a 4-way dip switch to set each unit to a unique address in the range 0-15.

This address is added to the reader identification (reader A or B) to uniquely identify each reader for programming and transaction reporting. Access Parameter settings are used to define access rights at each of the readers. Programming is done from a PC using the KeyProx Plus Windows software.

Free Software !!

The software is required for all programming of the system, downloading transaction sand printing Reports.



655-20
Controller



656-20-1
Secure Mini Reader



311-30
RS-485 to RS-232
convertor



657-20-1
ANSI-sized Reader

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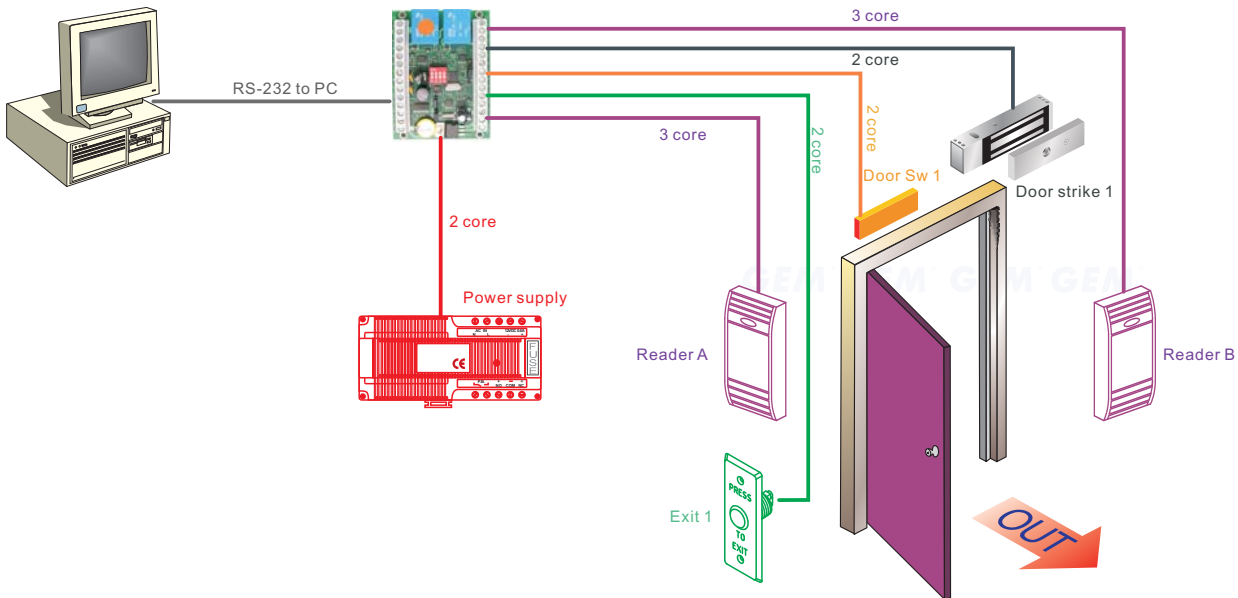


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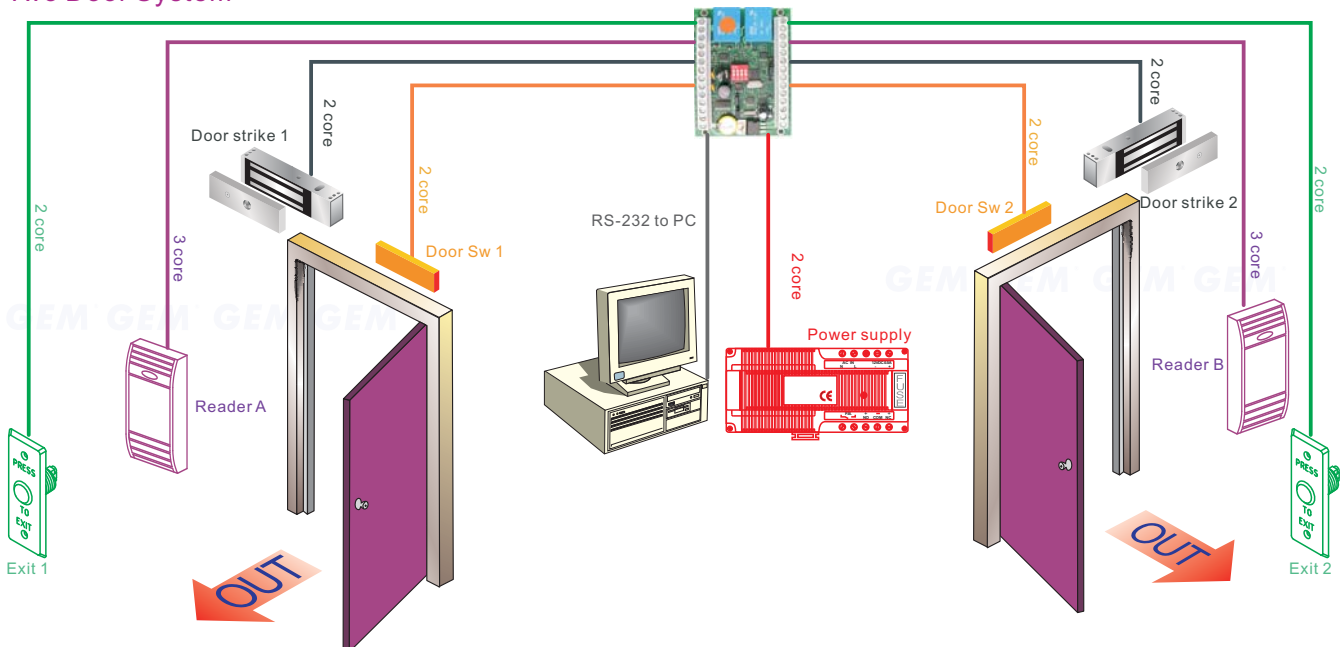
● Application

The KeyProx Plus controller has both a RS-232 and a RS-485 interface. Use the RS-232 interface for simple installation having a single controller and where the distance between the controller and the PC is less than 30 meters. The drawings below show typical RS-232 installations. RS-232 connection to PC - max 30m

Single Door System



Two Door System



Gianni supplies all accessories for access control application including maglock, electric bolt lock, electric strike, exit button, power supply, prox cards or fobs.

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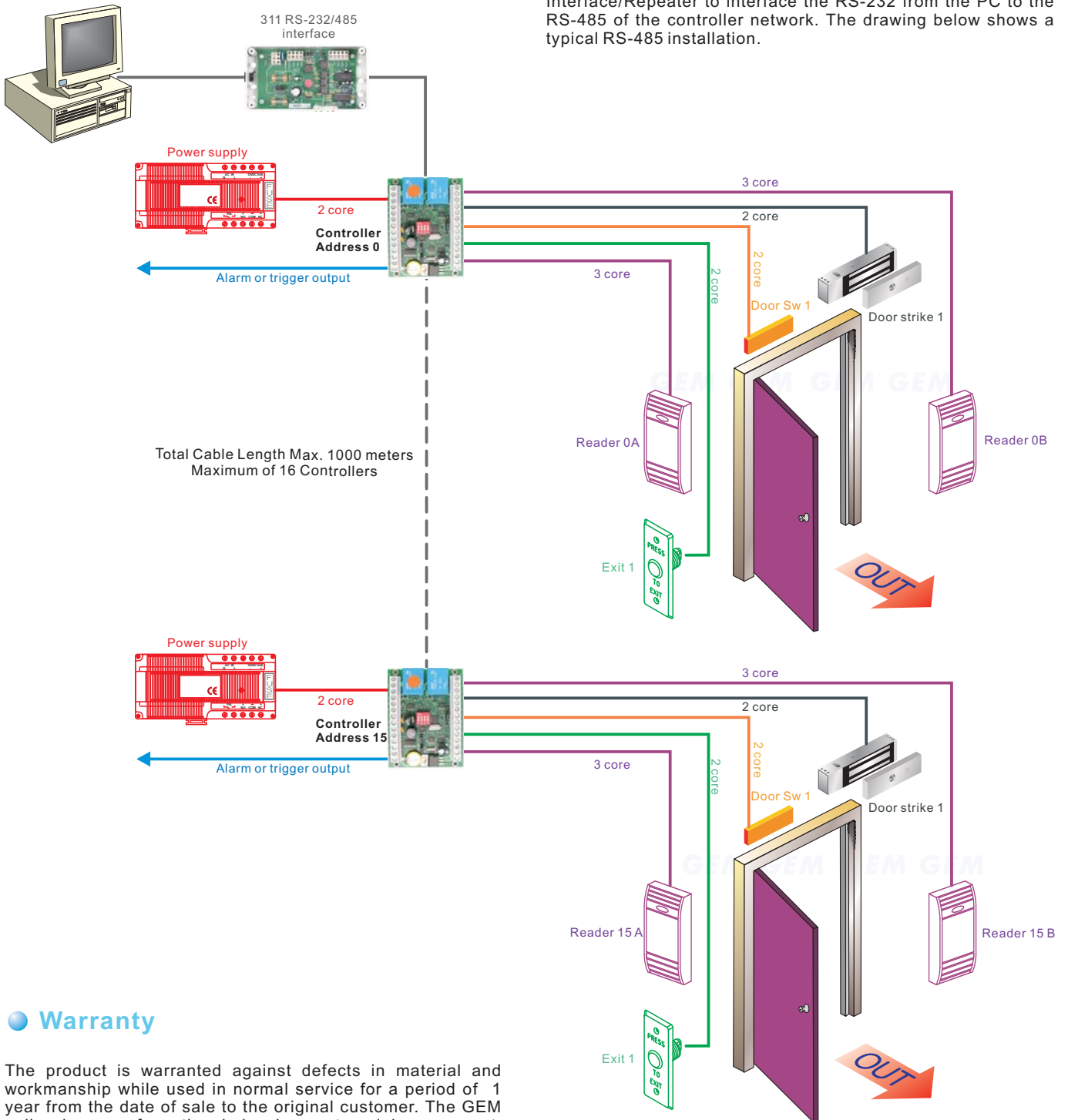
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Multi-Controller System

RS-485 must be used where the distance between the controller and the PC is greater than 30 meters or for installations of multiple controllers. The PC will require a 311 Interface/Repeater to interface the RS-232 from the PC to the RS-485 of the controller network. The drawing below shows a typical RS-485 installation.



Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

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