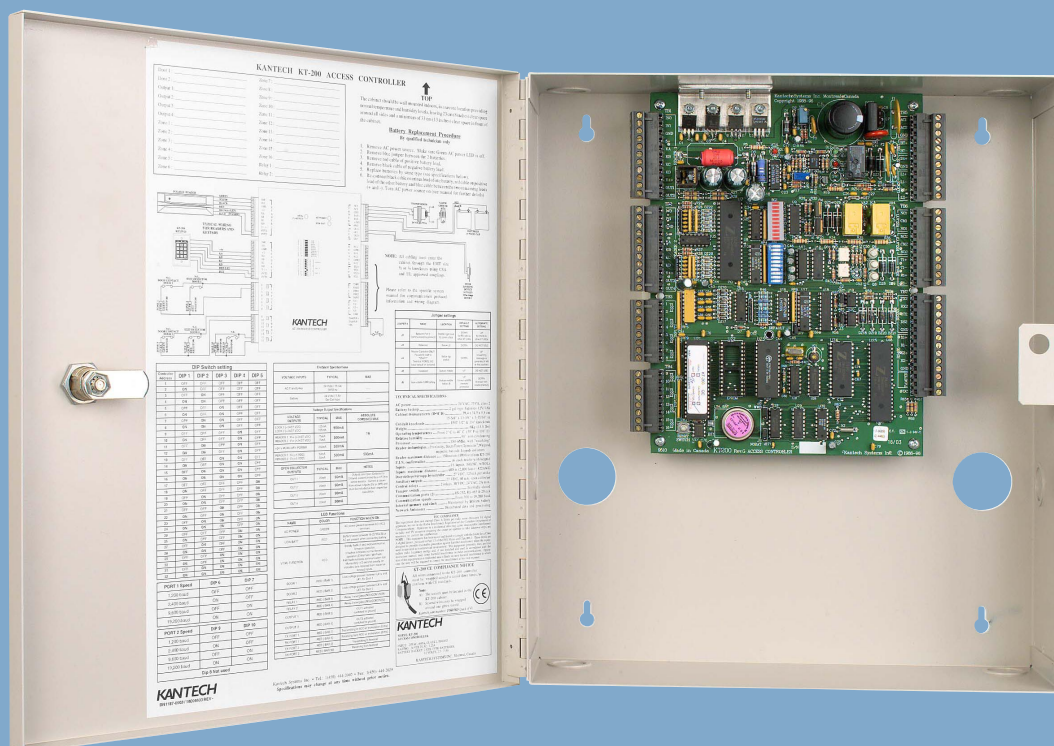


# KT-200 Door Controller

- Two door controller
- Compatible with Proximity, Wiegand, Mag Stripe, Bar Code, Biometric and other technologies
- Built-in power supply for door lock (24VDC)
- RS-485/RS-232 communication ports
- Supervised inputs (16)
- Optional relay module (REB-8)
- Quick terminal plug-in connectors



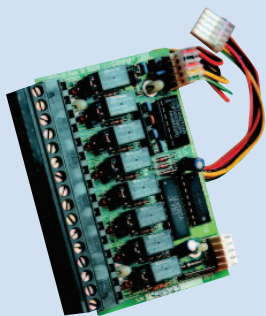
# KT-200 Door Controller

## Point Monitoring

Each KT-200 can monitor the state of 16 input points such as magnetic contacts, motion detectors, temperature sensors or any other device with dry contacts. To ensure line integrity, all zones are terminated with end-of-line resistors.

## Control Relays

Two control relays provided on each KT-200 can be used to activate alarms or other devices such as lighting control, ventilation, and air conditioning. These relays can be activated according to schedules, events reported by the system, or a combination of different logical conditions.



REB-8 relay expansion board

### Easily Expandable

The REB-8 relay expansion board provides an additional 8 general purpose control relays to the KT-200 door controller. Two REB-8 boards can be used to expand up to 16 relays and can also be used as a cost-efficient alternative for basic elevator control, with up to 16 floors per cab. Used with the EntraPass system, the REB-8 is connected instead of a keypad on door 2 inputs.

## System Configuration

The system configuration is determined by a choice of EPROMs available to meet different systems and capacity requirements. As the system is expanded, the KT-200 circuit board remains the same. This feature provides flexibility and savings in the future.

## Memory and Autonomy

All KT-200 controllers keep the access control database in memory. This means that the KT-200 keeps all information regarding cards, schedules, access codes and can verify access requests even when it is disconnected from the network (autonomy varies for EntraPass Global Edition). The memory is also protected by a lithium battery maintaining data even if the usual battery backup is disconnected. Date and time are also maintained by this on-board battery.

| Technical Specifications       |                                                                                                                                                  |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC power</b>                | 24 volts AC, 75 VA, class 2                                                                                                                      |
| <b>Battery back-up</b>         | 2 gel type batteries 12V, 7Ah provide operation for 8 hours                                                                                      |
| <b>Cabinet measurements</b>    | 39.4cmH x 5cm W x 9.8cm D (15.5 in x 13.63 in x 3.88 in) EMT 1,25cm (1/2 in) and 1,9cm (3/4 in) knockouts. Is supplied with a lock and two keys. |
| <b>Weight</b>                  | 6kg (13.8 lbs)                                                                                                                                   |
| <b>Operating temperatures</b>  | 2°C to 40°C (35°F to 110°F) at 90° non-condensing humidity                                                                                       |
| <b>Processor</b>               | Z80-6Mhz, with "watchdog" circuit                                                                                                                |
| <b>Reader technologies</b>     | Proximity, Wiegand, magnetic, bar code, keypads and others                                                                                       |
| <b>Reader maximum distance</b> | 150 meters (500 feet) from KT-200                                                                                                                |
| <b>PIN confirmation</b>        | At each reader equipped with a keypad                                                                                                            |
| <b>Monitor points</b>          | 16 monitor points, NO/NC, supervised by end-of-line resistors (included)                                                                         |
| <b>Points maximum wiring</b>   | 600 meters (2000 ft) AWG#22                                                                                                                      |
| <b>Door strike power</b>       | Supplied by the KT-200: 27 volts DC 250mA maximum                                                                                                |
| <b>Auxiliary outputs</b>       | 27 volts DC, 50mA open collector                                                                                                                 |
| <b>Control relays</b>          | 2 relays, 30 VDC/24VAC, 2A max. Possible expansion to 16 relays                                                                                  |
| <b>Tamper switch</b>           | Normally closed                                                                                                                                  |
| <b>Communications ports</b>    | RS232 and RS485                                                                                                                                  |
| <b>Communications speeds</b>   | From 1200 to 19200 bauds                                                                                                                         |
| <b>Internal memory</b>         | Maintained by lithium battery                                                                                                                    |
| <b>Network autonomy</b>        | Distributed data and processing                                                                                                                  |

## Ordering Information:

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| <b>KT-200</b>       | Door Controller for 2 readers (complete)                                                                       |
| <b>KT-200BO</b>     | Metal Box for KT-200 Controller                                                                                |
| <b>KT-200-CAMLO</b> | Keylock for KT-200 Controller (2 keys)                                                                         |
| <b>KT-200CSA</b>    | Door Controllers for 2 readers (complete) - CSA approved                                                       |
| <b>KT-200F-ACC</b>  | Accessory kit (fuses, keys, end of line resistors, battery leads) included in KT-200 and KT-200NB (Rev A to F) |
| <b>KT-200G-ACC</b>  | Accessory kit (keys, end of line resistors, battery leads) included in KT-200 and KT-200NB (Rev G)             |
| <b>KT-200NB</b>     | Door Controller for 2 readers (complete, no box)                                                               |
| <b>REB-8</b>        | Relay expansion board                                                                                          |
| <b>EP-ENTRA3</b>    | EPROM for EntraPass Special, Corporate, and Global (Windows NCC) Edition (one per KT-200 required)             |
| <b>EP-8002</b>      | EPROM for EntraPass Global using DOS NCC (one per KT-200 required)                                             |
| <b>TR2475</b>       | Transformer (110V/75VA)                                                                                        |

## KT-200 Device Schematic

