

## KTES – Kantech Telephone Entry System



### Key Features

- Stand-alone or integrates with an access control system
- Convenient remote programming and management with EntraPass security management software
- Electronic directory with a capacity of up to 3,000 tenants
- 4-line, 20-character backlit LCD
- Vandal and weather-resistant stainless steel housing
- Onboard 128-bit encrypted, protected IP communication with EntraPass
- One telephone line supports up to five units

### Resident and Visitor Management System

Apartment, condominium and office buildings are just a few of the applications where a combination of security and communications are required for controlling resident and visitor traffic. The Kantech Telephone Entry System (KTES) delivers a fully integrated telephone entry and access control solution. The KTES provides visitor / resident registration, tracking and reporting. It uses a touch tone phone style keypad that offers both familiarity and ease of use. Two-way audio is built-in and video verification can be integrated to enhance the solution.

### Built-In Versatility

An attractive vandal- and weather-resistant metal enclosure houses a keypad with both audible and visual confirmation of user actions. The large, 4-line, 20-character backlit LCD provides easy-to-understand multi-lingual user prompts that allow visitors to scroll through an electronic directory which includes tenants' names, apartment/ suite numbers, or calling codes. Three contextual function buttons make it easy to quickly navigate through the interface. Two-way audio is built-in and video verification (via a covert camera) can be integrated to enhance the security solution.



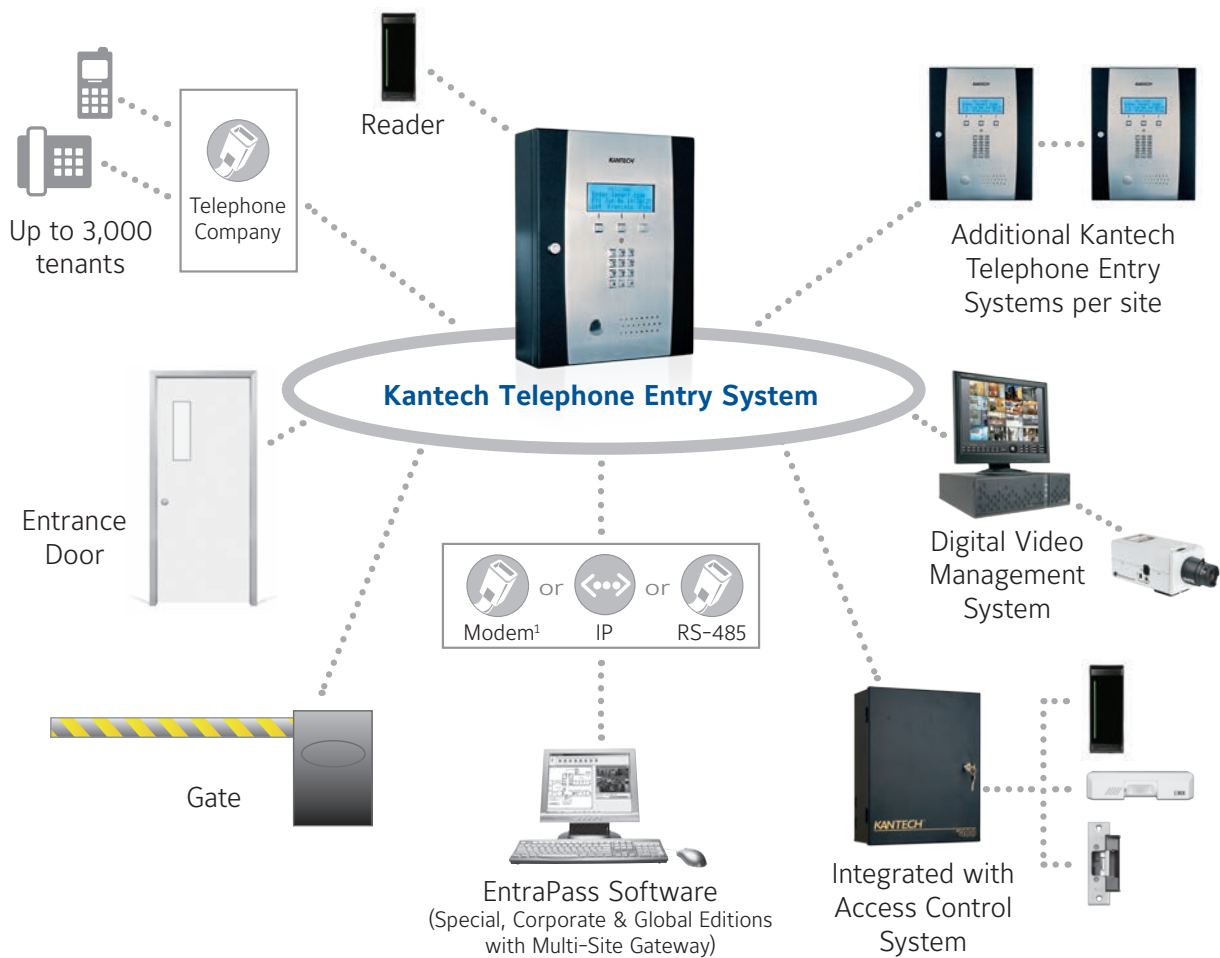
### Stand-Alone or Integrated Access Control

Designed as a stand-alone or integrated unit, the KTES controls one door, three auxiliary relays, and supports postal lock and request-to-exit access. For larger commercial installations, the KTES integrates with EntraPass Security Management Software and Kantech door controllers to provide a complete access control system. The KTES features onboard 128-bit encrypted, IP communication with EntraPass. A simplified version of the EntraPass software is included with the KTES which allows for fast configuration and firmware upgrades, live transaction monitoring, modification and addition of tenant list, and system backup. The system also provides Wiegand inputs and outputs so that it can be connected to external door controllers. All programming of the system can be done directly on the keypad or remotely from a PC via a modem, Ethernet connection, or RS-485 interface.

### Event Reporting

For added convenience, the KTES maintains a local event log which can be viewed directly on the LCD. If a more detailed event log is needed, the system also reports all events directly to the EntraPass system.

### System Diagram



(1) Requires DU-MODEM-HOS at host computer for dial-up

## Specifications

| Physical - Surface Mount Dimensions                   |   |
|---|---|
| (H x W x D)   | 37.5 x 29.2 x 9.9 cm (14.75 x 11.5 x 3.9 in)  |
| Weight  | 7 kg (15.4 lb)  |
| Mounting  | Surface, flush, or goose-neck mount   |
| Construction  | Rugged stainless steel enclosure, black epoxy paint weather-resistant finish, waterproof fiber material speaker, and high quality omni directional microphone in an acoustics chamber   |
| Operational   |   |
| Capacity  | Standard 250 tenant capacity and option to increase capacity to 3,000 tenants. 4,000 event log entries per unit in stand-alone mode; 1-5 digit directory code; 4-6 digit tenant ID code (PIN); and 2 telephone numbers (maximum 24 digits per phone number) per tenant. |
| Display   | Vandal-resistant 4-line (20 characters per line) easy-to-read backlit LCD   |
| Programming   | Directly from keypad, or remotely with EntraPass software via modem, Ethernet, or RS-485  |
| Welcome Message                                       | Customizable language; variable display time of 0-255 seconds   |
| Cell Length   | Programmable from 10 seconds to one hour  |
| Telephone Line  | Standard touch-tone or rotary (up to 5 units on the same line)  |
| Access Control Interface                              | Wiegand   |
| Monitor Inputs  | Four; individually configurable as single end-of line (EOL), double EOL, and without EOL  |
| Inputs Maximum Wiring                                 | #22 AWG, 600 m (2,000 ft)   |
| Card Reader Outputs                                   | Two (LED and BUZZ), 25 mA max. each; open collector outputs   |
| Communication Ports                                   | Ethernet 10/100Base-T with RJ-45, RS-485, and international interface for telephone line  |
| Communication Speed                                   |   |
| Ethernet  | 10/100Base-T  |
| RS-485  | Up to 115,200 baud (automatic detection)  |
| Dial-up Modem   | Up to 2,400 baud  |
| Electrical  |   |
| Input Power   | 16.5 VAC, 40 VA   |
| DC Auxiliary Output                                   | 12 VDC, 450 mA  |
| Lock Output   | 12 VDC, 650 mA  |
| Controlled Output Relay                               | Three onboard Form C controlled output relays, 30 VDC or 24 VAC max.; 3 Amps max. per relay   |
| Card Reader Power Output                              | 5 VDC or 12 VDC, 175 mA internal or external power supply with jumpers (JP9)  |
| Battery Backup  | 12 VDC/ 7 Ah battery supervised; for a minimum of 4 hours of operation  |
| Environmental   |   |
| Normal Operating Conditions                           |   |
| Temperature   | 0° to 49°C (32° to 120° F)  |
| Humidity  | 0 to 95% noncondensing  |
| Cold Operating Conditions (Using Optional Heater Kit) |   |
| Temperature   | -35° to 49°C (-31° to 120° F)   |
| Humidity  | 0 to 95% noncondensing  |
| Regulatory  | EN50133-1, EN55022, EN60950, EN61000-6-1, EN61000-6-2, ETSI ES 203 021, CISPR22, PTC200, AS/ACIF 5002, FCC Part 15 Class B, FCC Part 68 (TIA968), IC CS-03 (DOC), UL-294, CE, RoHS, WEEE, IEC 60529 IPX4 rating   |

## Order Information

| Model Number  | Description   |
|---|---|
| KTES-US   | KTES with standard 250 tenant capacity, KTES and KTES-CDN EntraPass Software, 16.5 VAC / 40 VA plug-in transformer (UL or CSA approved), postal lock bracket with switch; and accessory kit |
| <b>No Phone Bill System</b>   |   |
| Using the "No Phone Bill System", the KTES connects directly into each tenant's telephone line and uses those lines to provide communication between the visitor and the tenant, resulting in no phone bill charges. Each "No Phone Bill System" requires: KTES-US or KTES-CDN, KTES-5000RB, KTES-5000IC and a 16.5 VAC/ 40 VA plug-in transformer. |   |
| KTES-5048MC   | Main controller, for up to 48 lines maximum   |
| KTES-5000MC   | Main controller, for up to 1152 lines maximum; requires an auxiliary relay cabinet (KTES-5000AC)  |
| KTES-5000AC   | Auxiliary relay cabinet for up to 96 lines per cabinet; compatible with the main controller (KTES-5000MC)   |
| KTES-5000RB   | Line card for 12 tenants  |
| KTES-5000IC   | CA71A/RJ71C interconnecting cable   |
| <b>KTES Accessories and Options</b>   |   |
| KTES-FBOX   | Enclosure including black trim ring used for flush mounting KTES  |
| KTES-HEAT   | Cold weather heater kit for installations where temperature is below 0°C (32°F)   |
| KTES-INDEX-F  | LED illuminated directory index paper   |
| KTES-INDEX-R  | Trim ring for directory index paper. Used in flush mount installation of KTES   |
| KTES-MPLATE   | Mounting plate for goose-neck installation  |
| E-KTES-3000   | Option to increase capacity to 3,000 tenants  |
| DU-MODEM-HOS  | Required at host computer for dial-up   |

## About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit [www.kantech.com](http://www.kantech.com) or follow us on Twitter, Facebook and LinkedIn.