

# 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.



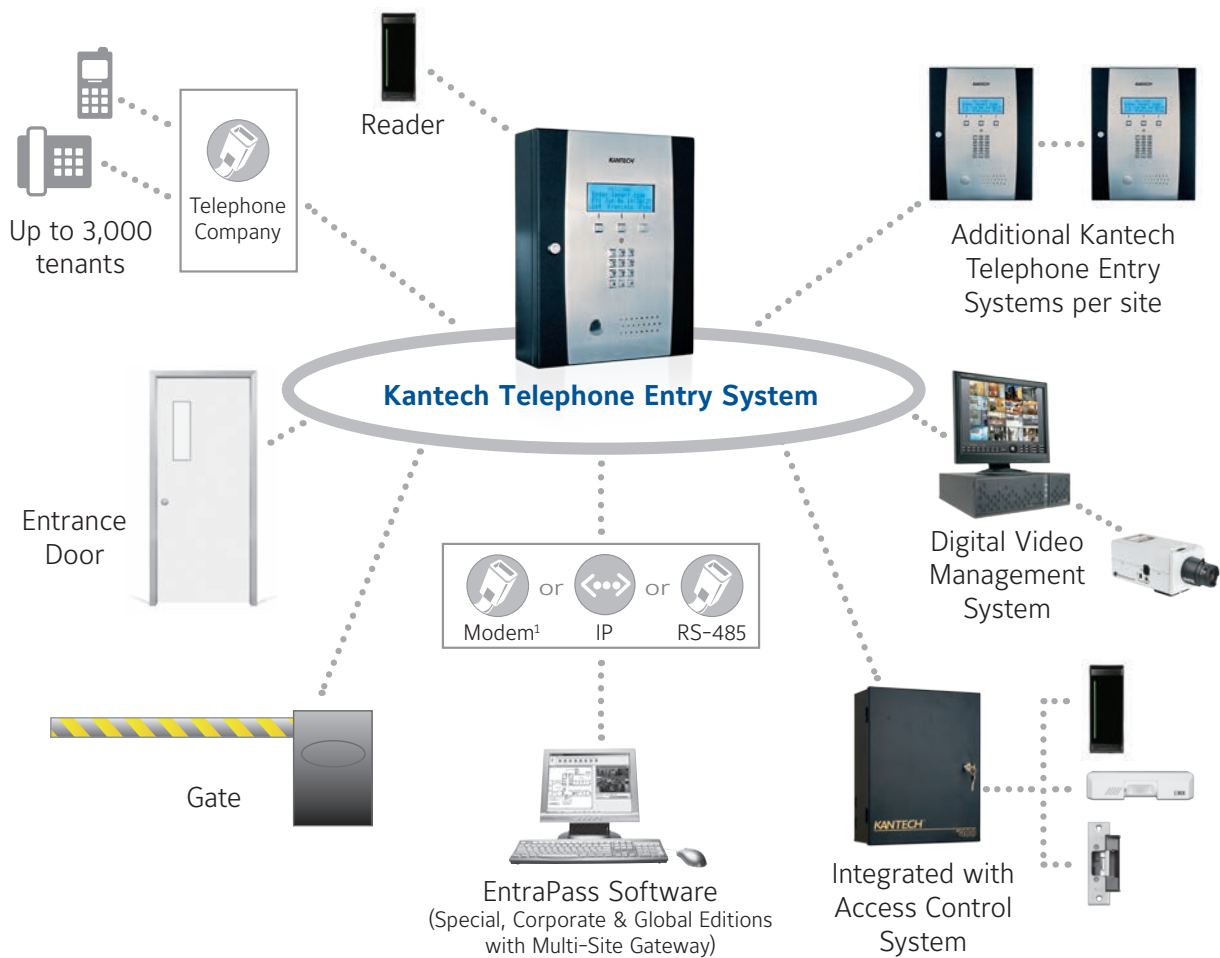
### Stand-Alone or Integrated Access Control

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.