



Controller name: _____ Serial number: _____ MAC Address: _____

For more information about the KT-4 Four-Door Controller, refer to the *KT-4 Four-Door Controller Installation Guide*, A16381A195-A, from www.kantech.com.

Action	Color	Description	Pattern	Action	Color	Description	Pattern
Booting up	Blue	Steady		Fail soft	Yellow	Continuous Short Pulses	
Corporate / Multi-site Gateway	Blue	3 Short Pulses		Factory default DHCP	Yellow	Continuous Long Pulse	
Global Gateway	Blue	1 Short Pulse		Forced default static	Yellow	3 Long Pulses	
Rebooting	Blue	10 Pulses/sec @ 50% duty cycle		Hard reset	Red	4 Short Pulses	
Card read or swipe	Blue	Single 0.5 sec burst, resume previous flash		Unable to resolve DNS	Red	2 Long Pulses	
Receive broadcast	Green	Single 2.5 sec burst		DHCP server failed	Red	4 Long Pulses	
Firmware update	Green	5 Pulses/sec @ 50% duty cycle		Enrollment acknowledge	Pink	2.5 Sec Burst	
During enrollment	White	1 Long Pulse (every 2 sec)					

IMPORTANT:

- THE CONNECTION TO THE MAIN SUPPLY MUST BE MADE AS PER THE LOCAL AUTHORITIES' RULES AND REGULATIONS. IF DURING THE INSTALLATION A KNOCKOUT IS REMOVED, IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT THE SAME DEGREE OF PROTECTION FOR THE CABINET IS PROVIDED BY THE USE OF BUSHINGS, FITTINGS, ETC.
- The equipment is FIXED and PERMANENTLY CONNECTED and is designed to be installed by Service Persons only. [service person is defined as a person having the appropriate technical training and experience necessary to be aware of hazards to which that person may be exposed in performing a task and of measures to minimize the risks to that person or other persons.] The equipment is installed in a metallic cabinet that meets the applicable requirements for a FIRE ENCLOSURE. When the KT-4 is powered using its integrated power supply, it shall be connected to 110 V from a UL/cUL Listed 75 VA Transformer, it shall be connected to the mains by a LICENSED ELECTRICIAN in accordance with the applicable rules of the National Electrical Code or Canadian Electrical Code regarding this type of connection.
- INTERNAL WIRING shall be routed in a manner that prevents:
 - Excessive strain on wires and on terminal connections
 - Loosening of terminal connections
 - Damage of conductor insulation
- All circuits are class 2 power limited except the battery wires.
- Separation of circuits between power limitation and non power limitation needs to be of 0.75 in. (1.9 cm) min.

Note regarding output voltage ratings: - Auxiliary Power: 11.2 to 13.75 VDC 12 VDC Readers: 11.2 to 13.75 VDC - Locks with internal power (JP4 on INT): 11.2 to 13.75 VDC - Locks with external power (JP4 on EXT): 11.2 to 28 VDC	Installation notes: - Up to 32 controllers over RS-485 (COM1) - Up to 31 subordinate controllers and one as master controller over IP for a total of 32 - Ethernet cable category 5E or better - Unshielded, 4 conductors, up to 1200 m (4000 ft) from the KT-4 to the last controller
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Notes: The KT-4 PoE++ option has been tested with the PoE++ model Phihong POE60U-1BT-5-R and/or POE125U-4-HP-R. This device shall be used in conjunction with UL listed transient protectors. Other compatible PoE+/PoE++ configurations may be possible.
FCC ID: V85KT4 IC: 5690B-KT4

Note regarding power: Primary power can be provided by one of the following sources:

- Separately listed Class 2 power limited transformer, secondary rated 16 VAC or 24 VAC, 75 VA. The transformer shall be mounted outside the main cabinet in accordance with the applicable NEC/CEC requirements.
- PoE+/PoE++ power source equipment (need PoE++ option module and switch connected to RJ45 socket).

Model: KT-4 Four-Door Controller
Proprietary burglar alarm system, Access control system
PSDN, Standard Security
Input Rating: 16 or 24 VAC/75 VA, PoE+/PoE++
Use Class 2 Power Limited Adapter
Battery Back-up: Sealed Gel Cell Type, Rated 12 V/7 Ah
Installation Guide: A16381A195-A or later. Download from www.kantech.com.



