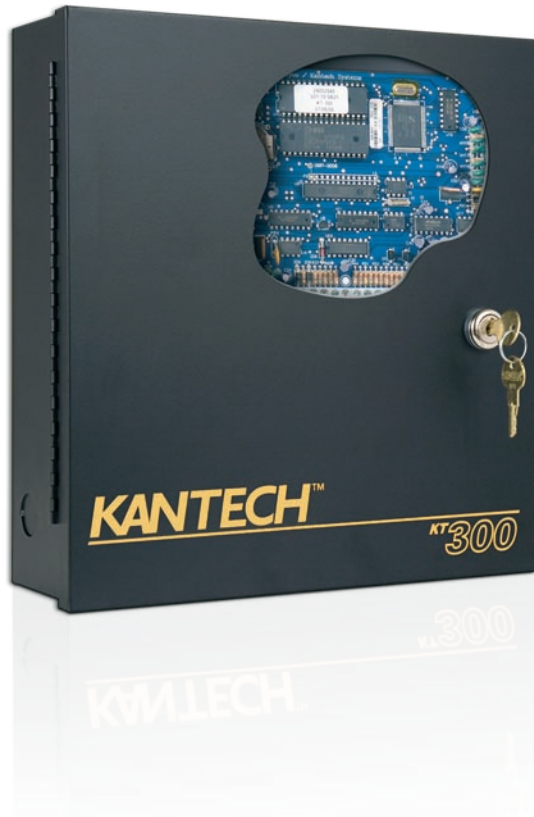




The KT-300 door controller supports up to two readers, which you can install either on a single door to monitor both entry and exit or on two separate doors. It provides connections for all peripheral devices necessary for a complete access control system and can link with other door controllers to give you control over thousands of doors.

Stand-alone mode protects against power or system failures and the system stores cardholder and event data, which is automatically transmitted back to the EntraPass system once the network connection is restored. Flash memory lets you update firmware from your EntraPass workstation in just a few minutes.

KT-300

Door Controller

Features That Make a Difference:

- Controls two doors and easily links to a network
- Update firmware directly from system workstation
- Fast operation, up to 115,200 baud
- Ready to go, no DIP switches or jumpers to set
- 5V and 12V reader power
- Interfaces with an external alarm system
- Automated trouble reporting
- Supervises battery conditions and reports low battery/no battery status to the system
- All power outputs individually protected against short circuits and surges by a self-resetting PTC
- Choice of 128K or 512K memory capacities

KT-300 detects the system's communication speed and assigns the controller's address, eliminating the need to set up switches or jumpers. KT-300 also provides trouble reporting, constantly supervising locking devices for short and open circuits to detect lock failures and monitoring battery condition to alert the system of low battery/no battery status. All power outputs are individually protected and self-resetting against short circuits and surges.

Built-in Combus expansion means you can add relay, input, and output modules to connect HVAC systems, elevators, motion detectors, and more. You can add an LCD to view time and date information. Additionally, KT-300 can interface with external alarm systems so that an authorized individual can arm or disarm them simply by presenting his/her access control card to a reader.

Physical

KT-300

Dimensions 29.9 x 28.8 x 7.7 cm (11.75 x 11.38 x 3.0 in)
 Knock Out Dimensions 1.9 cm (0.8 in)
 Weight (with metal cabinet) 2.4 kg (5.4 lbs)
 Communication Ports RS-232, RS-485, and Combus

Environmental

KT-300

Operating Temperatures 2° to 40°C (35° to 104°F)

Electrical

KT-300

Input Power 16 VAC, 40 VA, Class 2 transformer
 Battery Backup One battery 12V/7Ah, supervised, provides operation for up to 12 hours
 Auxiliary Outputs (LED, BUZ) Four outputs, 25 mA max. each, open collector
 Control Relay Outputs (R1, R2) Two control relay outputs, 12 VDC, 25 mA totals each, open collector (optional relay KT-RM1 available)
 Auxiliary Power Output 12 VDC @125 mA max., protected and supervised
 Reader Power Outputs 12 VDC and 5 VDC @125 mA total, protected and supervised
 Door Strike Power 12 VDC, 250 mA each, supervised

Four-Relay and Combus Additional Power Supply Module (KT-PC4204)

Current Draw 30 mA from Combus
 Input Power 40 VA-16 VAC transformer required
 Battery 12V/7Ah maximum
 Output Four programmable Form C relay contacts rated 2A
 Input Tamper contact

16-Output Expansion Module (KT-PC4216)

Current Draw 15 mA from Combus
 Output 12 VDC, 50 mA max. each, drawn from Combus
 Input Tamper contact

Eight-Zone Input Expansion Module (KT-PC4108)

Current Draw 30 mA from Combus
 Output Auxiliary 12 VDC, 250 mA max., drawn from Combus
 Input Tamper contact

Time/Date Display (KT3-LCD)

Current Draw 50 mA from Combus

Operational

KT-300

Compatible Reader Types Wiegand, proximity, bar code, magnetic, integrated keypad, and others
 Monitored Points (Inputs) Eight monitored points, NO/NC, with or without end-of-line resistors (expandable to 16)
 Max. Wiring Distance 600 m (2,000 ft) – (AWG #22)
 Communication Speed Up to 115,200 baud (automatic detection)
 Firmware Flash Memory 128K
 RAM 128K (512K unit available), protected by a lithium battery
 Network Autonomy Distributed data and processing

Regulatory

KT-300

Certifications UL 294, CE, FCC

Four-Relay and Combus Additional Power Supply Module (KT-PC4204)

Certifications UL, CE, FCC

16-Output Expansion Module (KT-PC4216)

Certifications UL, CE, FCC

Eight-Zone Input Expansion Module (KT-PC4108)

Certifications UL, CE, FCC

Time/Date Display (KT3-LCD)

Certifications UL, CE, FCC

Model Numbers

KT-300/128K Door controller for two readers with 128K memory, includes metal cabinet, KT-300-ACC, and KT-LOCK
 KT-300/512K Door controller for two readers with 512K memory, includes metal cabinet, KT-300-ACC, and KT-LOCK
 KT-300PCB128 Door controller with 128K memory (PCB only) and accessory kit (KT-300-ACC)
 KT-300PCB512 Door controller with 512K memory (PCB only) and accessory kit (KT-300-ACC)
 KT-300-ACC KT-300 accessory kit includes: 1.0K ohms (2), 5.6K ohms (10), 120 ohms (2), PCB standoff, lock hole cover, ground wire, and screwdriver
 KT-PC4108 Eight-zone input expansion module for KT-300
 KT-PC4204 Four-relay and Combus additional power supply module for KT-300
 KT-PC4216 16-output expansion module for KT-300
 KT-RM1 External isolation relay SPDT for KT-300 output (RL1/RL2)
 KT3-LCD LCD monitor for time and data information for KT-300
 KT-300CAB KT-300 black metal cabinet including KT-LOCK
 KT-4051CAB Standard black metal cabinet for KT-PC4204, KT-PC4216, and KT-PC4108 modules (order key lock separately)
 42.7 x 26.4 x 14.4 cm (16.8 x 10.4 x 4.1 in)
 EMT 1.9 cm (0.8 in)
 KT-LOCK Keylock for KT-300CAB and KT-4051CAB metal cabinets, includes two keys
 KT-TAMPER Tamper switch for KT-300CAB and KT-4051CAB metal cabinet
 TR1637W/CSA AC transformer, wire-in, 110V/16V (37 VA) CSA
 TR1640P/CSA AC transformer, plug-in, 110V/16V (40 VA) CSA
 TR1640P/UL AC transformer, plug-in, 110V/16V (40 VA) UL
 TR1640W-220 AC transformer, wire-in, 220V/16V (37 VA) CE
 USB-485 USB to RS-485 communication interface
 VC-485 RS-232 to RS-485 communication interface
 KT-BD7-12 Rechargeable battery, 12V/7Ah, package of five
 KT-BATT-12 Rechargeable battery, 12V/7Ah, package of one