

wwww.EntraPASS.com / 8641 S. Warhawk Rd., Conifer, CO 80433 - Tel: 303-670-1099 - Email: Patrick.McAllister@EntraPASS.com

KT-300 Two-Reader Controller

Features That Make a Difference:

- Controls two readers 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
- Interfaces with an external alarm system
- Choice of 128K or 512K memory capacities
- LEDs provide important controller status and diagnostic information



Scalable Two-Reader Door Controller

The KT-300 is a two-reader networkable door controller. One controller supports up to two readers, installed on two separate doors or on a single door controlling both entry and exit. Each controller is linked to the others in the system using an RS-485 communication bus providing control for up to a million doors depending on the EntraPass Edition.

Easy Firmware Updates

The KT-300 features flash memory for easy firmware updates. The controller's firmware can be updated from any EntraPass workstation in just a few minutes. Flash memory saves time by allowing system updates from a PC without having to update each controller individually.

Speed Selection and Trouble/Reporting

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

Expandable

The KT-300 can be expanded via Combus expansion modules allowing for relay, input and output modules, and an LCD time and date display.

Status Indicators

LEDs provide important controller status and diagnostic information. The KT-300 has multiple LED indicators for: communication status, troubleshooting, network activity, power status and outputs activity.

External Alarm Interface

The KT-300 can interface with an external intrusion alarm system. An authorized individual can arm or disarm the alarm system simply by presenting their card to a reader.

Network Connectivity

The KT-IP (IP controller module) provides affordable and secure LAN/WAN network connectivity for the KT-300 door controller. In this setup, the KT-300 is first connected to a VC-485 (RS-232/RS-485 interface). Then the VC-485 is connected to the KT-IP (and both devices are powered by the KT-300). The KT-IP relays information between the KT-300 and the EntraPass Multi-Site Gateway.



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Weight (with metal cabinet) . . . 2.4 kg (5.4 lbs)

Environmental

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

Electrical

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 11.1 VDC to 13.8 VDC @175 mA maximum, protected and supervised

Reader Power Outputs 12 VDC and 5 VDC @125 mA total, protected

Operational

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 Ports RS-232, RS-485, and Combus

Communication Speed Up to 115,200 baud (automatic detection)

Firmware Flash Memory 128K

RAM 128K or available 512K, protected by a lithium

battery

Network Autonomy Distributed data and processing

Regulatory

Certifications UL 294, CE, FCC

Model Numbers

Door Controllers

 KT-300/128K.
 KT-300 two-door controller, 128KB memory, accessory kit (KT-300-ACC), metal cabinet (KT-300CAB) with lock (KT-LOCK)

 KT-300/512K.
 KT-300 two-door controller, 512KB memory, accessory kit (KT-300-ACC), metal cabinet (KT-300CAB) with lock (KT-LOCK)

 KT-300PCB128
 KT-300 two-door controller PCB only, 128KB memory, accessory kit (KT-300-ACC)

 KT-300PCB512
 KT-300 two-door controller PCB only, 512KB

memory, accessory kit (KT-300-ACC)

Expansion Modules

module

KT-PC4216 16-zone programmable output expansion

module

Accessories

KT-300-ACC KT-300 accessory kit, includes: two 1.0K ohm, ten 5.6K ohms, two 120 ohms end-of-line

resistors, PCB standoff, lock hole cover,

ground wire and screwdriver

KT-RM1.... External isolation relay, single pole, double

through (SPDT) for output RL1/RL2

KT3-LCD. LCD time and date display
KT-300CAB. Black metal cabinet with lock (KT-LOCK)

KT-4051CAB Black metal cabinet for KT-300 expansion modules. Order KT-LOCK separately.

KT-LOCK..... Lock for KT-300-CAB & KT-4051-CAB, metal

KT-TAMPER..... Tamper switch for KT-300-CAB & KT-4051CAB

metal cabinets

Power Supplies

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 (40 VA) CE

Basic System Diagram

