

KT-300 Door Controller

INNOVATIVE AND POWERFUL

- Controls two doors and easily links to a network
- Update the firmware directly from the system workstation
- Fast, 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



KT-300 Door Controller

INNOVATIVE AND POWERFUL

The KT-300 is a two door controller designed to meet the highest standard of access control and monitoring point applications.

KT-300 Technical Specifications	
Input power	16 VAC, 40VA, class 2 transformer
Battery backup	1 battery 12V, 7Ah, supervised, provides operation for up to 12 hours
Dimensions	29.9 x 28.8 x 7.7 cm (11.75 x 11.38 x 3 in) EMT 1.9 cm (0.8 in)
Weight (with metal cabinet)	2.4 kg (5.4 lbs)
Operating temperatures	2°C to 40°C (35°F to 110°F)
Compatible reader types	Wiegand, proximity, bar code, magnetic, integrated keypad and others
Monitored points (inputs)	8 monitored points, NO/NC, with or without end-of-line resistors (expandable to 16)
Monitored points max. wiring distance	600 m (2,000 ft) – (AWG #22)
Door strike power	12 VDC, 250mA each, supervised
Auxiliary outputs (LED, BUZ)	4 outputs, 25mA max. each, open collector
Control relay outputs (R1, R2)	2 control relay outputs, 12 VDC, 25mA totals each, open collector (optional relay RM1 available)
Auxiliary power output	12 VDC @125mA max., protected and supervised
Reader power outputs	12 VDC and 5 VDC @125mA total, protected and supervised
Communication ports	RS-232, RS-485 and Combus
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
Certifications	UL294, CE, FCC

Expansion Modules Specifications	
4-relay and Combus additional power supply module (KT-PC4204)	
Current draw	30mA from Combus
Input Power	40VA-18 VAC transformer required
Battery	12V 7Ah maximum
Output	4 programmable relay form C contacts rated 2A
Input	Tamper contact
Certifications	UL, CE, FCC
16-output expansion module (KT-PC4216)	
Current draw	15mA from Combus
Output	12 VDC, 50mA max. each, drawn from Combus
Input	Tamper contact
Certifications	UL, CE, FCC
8-zone input expansion module (KT-PC4108)	
Current draw	30mA from Combus
Output	Auxiliary 12 VDC, 250mA max., drawn from Combus
Input	Tamper contact
Certifications	UL, CE, FCC
Time/date display (KT3-LCD)	
Current draw	50mA from Combus
Certifications	UL, CE, FCC

Ordering Information

KT-300/128K Door controller for 2 readers with 128K memory, includes metal cabinet, KT-300-ACC and KT-300LOCK

KT-300/512K Door controller for 2 readers with 512K memory, includes metal cabinet, KT-300-ACC and KT-300LOCK

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 ohm (2), 5.6K ohms (10), 120 ohms (2), PCB standoff, lock hole cover, ground wire and screwdriver

KT-PC4108 8-zone input expansion module for KT-300

KT-PC4204 4-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 date information for KT-300

KT-300CAB KT-300 black metal cabinet including KT-300LOCK

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-300LOCK Keylock for KT-300CAB and KT-4051CAB metal cabinets, includes 2 keys

KT-300TAMP Tamper switch for KT-300CAB and KT-4051CAB metal cabinet

TR1637W/CSA AC transformer, wire-In, 110V/16V (37VA) CSA

TR1640P/CSA AC transformer, plug-In, 110V/16V (40VA) CSA

TR1640P/UL AC transformer, plug-In, 110V/16V (40VA) UL

TR1640W-220 AC transformer, wire-In, 220V/16V (37VA) CE

USB-485 USB to RS-485 communication interface

VC-485 RS-232 to RS-485 communication interface

