KT-400 Ethernet Four-Door Controller Installation Manual

Troubleshooting

Table 3: Reset Types and Descriptions

Jumpers	Heartbeats	Patterns	Resets
JP2, JP3 (both ON)	Continuous quick flashing		**Soft Reset:** When JP2 and JP3 are ON, the controller will reset on a) power up, b) pushbutton, or c) EntraPass software 'Manual operator soft reset': • All controller's memory definitions and parameters are verified and kept intact if still valid. • With a corporate gateway, the internal event buffer is maintained if still valid. • With a global gateway, the internal event buffer is cleared. • IP address is kept if valid. • Controller generates the appropriate message: a) 'Power ON Soft Reset' b) 'Manual Pushbutton Soft Reset' c) 'Operator Soft Reset'.
JP2 (OFF), JP3 (ON)	3 short pulses		**Hard Reset:** When JP2 is OFF and JP3 is ON: • All controller's memory is settled to default values. • Internal event buffer is cleared. • IP address is kept if valid. • Controller generates the message, 'Controller Hard Reset'. • Internal RTC (Real Time Clock) and clock are settled to the default time and date values January 1st 2005, 00:00:00, Saturday.
**JP2 and JP3 must be on prior to saving JP2 (ON), JP3 (OFF)	3 long pulses		**Forced Default Static:** When JP2 is ON and JP3 is OFF: • Same as 'Soft Reset' condition, except IP address is forced to the default static IP: 192.168.1.2.
JP2, JP3 (both OFF)	Continuous long pulses		**Factory Default DHCP:** When JP2 and JP3 are OFF: • All controller's memory is settled to default values. • Internal event buffer is cleared. • Controller generates the message 'Controller Factory Default Reset'. • The Ethernet port reverts to DHCP configuration and waits for an IP address from the local DHCP server. • Internal RTC and clock are settled to the default time and date values January 1st 2005, 00:00:00, Saturday.

Table 4: AC and DC Power LED Status Indicators

AC Power LED	DC Power LED	Status Indicators
ON	ON	• The AC power is present. • The DC power level is sufficient for all DC operations such as the readers, outputs and the 12V AUX.
ON	OFF	• The AC power is below minimum requirements, and • the 12V rechargeable backup battery is either not connected, or • its voltage is below minimum requirements.
OFF	ON	• The KT-400 is running on the 12V rechargeable backup battery only.

Default Initialization

The KT-400 is shipped with the default initialization or **Factory Default DHCP**. The following steps should be followed only if:

a) You want to configure the KT-400 with the KT-Finder, see page 32.

b) The KT-400 was communicating via the RS-232 port and you have installed a VC-485 or USB-485 to communicate via the RS-485 port.

c) The KT-400 was communicating via a VC-485 or a USB-485 interface and you want to communicate directly with the serial (RS-232) port.

d) You are using a KT-400 from another site and there is no communication.

How to reset the KT-400 Ethernet Four-Door Controller for Factory Default DHCP mode

Before you start:

• Locate the reset button, the two jumpers JP2 - JP3 and the blue Heartbeat LED.

• The Ethernet cable must be connected to the corporate network. The green LINK LED should lit and the yellow TXRX LED should be flashing.

• The blue Heartbeat LED should be flashing.

1. Remove JP2 and JP3 jumpers as described in Table 3 for **Factory Default DHCP** mode.

2. Press the reset button.

3. Check the blue Heartbeat LED heartbeat pattern.

4. Verify the IP address with the KT-Finder, see page 32.

5. Put back JP2 and JP3 jumpers.

6. Configure the KT-400 with the KT-Finder, see page 32.

Figure 13: KT-400 Factory Default Steps