### KTD-400

1. Controller keypad
   1. The KTD-400 controller keypad shall be as manufactured by GE Security or an approved equal.
   2. The design shall consist of a high-impact injection-molded plastic desktop case with a backlighted 20 x 2 character LCD and low-profile, easy-to-read push-button keys, including 10 numeric keys, multiple function keys and four pan/tilt directional control keys.
   3. The KTD-400 shall include, but not be limited to the following:
      1. The KTD-400 shall be a microprocessor-based controller compatible with all existing GE Security Digiplex components.
      2. The KTD-400 shall communicate to Digiplex components via RS-422 digital signal over twisted-pair cable.
      3. The KTD-400 shall provide the following Digiplex system control capabilities, including (but not limited to):
         1. Addressing and control of up to 512 pan/tilt/zoom (PTZ) receiver sites, including (but not limited to):
            1. Receiver programming access
            2. PTZ/focus/iris controls
            3. Preset positioning
            4. Establishing pan/autopan limits
            5. Manual/autofocus control
            6. Selectable speed control for GE Security’s CyberDome
         2. Matrix switcher programming and operation for as many as 64 switched monitors.
         3. Control of video, alarms and alarm interfaces.
         4. VCR or multiplexer view control for as many as 64 devices.
         5. Control of remote access sites and auxiliary control receivers.
      4. The KTD-400 shall provide a DTMF output for control of a mini-matrix video switcher.
      5. The KTD-400 shall provide system programming including (but not limited to):
         1. System size
         2. Monitor offset
         3. Camera access
         4. Monitor access
         5. Multiplexer type
         6. Multiplexer/VCR control
         7. PTZ receiver setup
         8. Sequencing
         9. Alarm interface setup
         10. Video switcher setup
         11. CyberDome setup
      6. The KTD-400 shall provide the following multiplexer view control commands:
         1. Select active multiplexer
         2. Select video input
         3. Select monitor output 1 or 2
         4. Switch to live video
         5. Place multiplexer in sequence mode
         6. View VCR playback
         7. Operate electronic zoom
         8. Step through multiple camera views
      7. The KTD-400 shall provide password protection, allowing only authorized users access to keypad programming.
      8. The KTD-400 shall store all programmed data in nonvolatile memory.
   4. The electrical specifications for the KTD-400 shall be as follows:
      1. Input voltage shall be 12 VDC.
      2. Input power shall be 3.3 VA.
      3. Input data signal shall be RS-422.
      4. Output data signal shall be RS-422.
         1. An auxiliary DTMF output shall also be available.
   5. The KTD-400 shall have the following connections:
      1. Power and control connections shall be made through an RJ-45 modular jack.
   6. The physical specifications for the KTD-400 shall be as follows:
      1. Dimensions shall be 1.93 x 5.2 x 6.17 inches (49 x 132 x 157 mm).
      2. Weight shall be 0.95 pounds (0.43 kg).
   7. The environmental specifications for the KTD-400 shall be as follows:
      1. The operating temperature range shall be 32 to 104°F (0 to 40°C).
      2. The relative humidity shall be 90% noncondensing.
   8. The KTD-400 shall conform to these internationally recognized compliance standards:
      1. FCC
      2. CE

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