SECTION 25 13 16

INTEGRATED AUTOMATION CONTROL AND MONITORING NETWORK INTEGRATION PANELS

Major Equipment Specified in this section:

Touch Screen Type 1: Crestron TSW-730

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INTEGRATED AUTOMATION CONTROL AND MONITORING NETWORK INTEGRATION PANELS

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1. GENERAL
   1. SUMMARY
      1. Section Includes
         1. Network room scheduling touch screen user interface.
      2. Related Requirements:
         1. Section 12 24 13 Roller Window Shades
         2. Section 25 08 00 Commissioning of Integrated Automation
         3. Section 25 10 00 Integrated Automation Network Equipment
         4. Section 25 11 13 Integrated Automation Network Servers
         5. Section 25 13 13 Integrated Automation Control and Monitoring Network Supervisory Control
         6. Section 25 13 19 Integrated Automation Control and Monitoring Network Interoperability
         7. Section 25 15 16 Integrated Automation Software for Control and Monitoring Networks
         8. Section 25 50 00 Integrated Automation Facility Controls
         9. Section 26 05 00 Common Work Results For Electrical
         10. Section 26 27 26 Wiring Devices
         11. Section 26 51 00 Interior Lighting
         12. Section 27 15 00 Communications Horizontal Cabling
         13. Section 27 41 00 Audio-Video Systems
2. PRODUCTS
   1. TOUCH SCREEN:
      1. Manufacturers:
         1. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide products of **Crestron Electronics, Inc., Rockleigh, NJ 07647**, Phone 800-237-2041, Fax: 201-767‑1903, [www.crestron.com](http://www.crestron.com) **[**or comparable products from a single manufacturer approved by Architect prior to bidding**]**, with the following components and characteristics.
      2. Basis of Design Product:
         1. Crestron TSW-730
      3. Minimum Characteristics:
         1. Touch screen:
            1. 7 inch diagonal TFT active-matrix compact color LCD touch screen 800 by 480 15:9 WVGA resolution display.
            2. 18-bit, 262K color graphics. Dynamic graphics and text capability. Enables custom control screen programming.
            3. Video display: Scalable display on device screen.
         2. User Interface buttons:
            1. Dual color backlit button Controls: 10 engraved backlit tactile pushbuttons for programmable functions, optional custom engravable button cover kit.
            2. Customizable WAV file audible button press feedback.
         3. Sensors:
            1. Built-in proximity sensor.
         4. Communication:
            1. Bidirectional 10/100 Mbps Ethernet communication.
         5. Streaming Video:
            1. H.264
            2. MJPEG
         6. Audio
            1. Built-in microphone and speaker.
            2. Intercom:

Compatible with SIP capable devices from same manufacturer.

* + - * 1. VoIP:

SIP compatible server

* + - 1. Control Ports:
         1. 2 Digital sensing inputs.
      2. Power:
         1. IEEE 802.3at Type 2 PSE with LLDP, 16 Watt
         2. IEEE 802.3at Class 4 Type 2 PSE without LLDP, 25.5 Watt
         3. IEEE 802.3af Class 3 PoE Powered Device, 12.95 Watt
      3. Mounting:
         1. 2-gang electrical box.
      4. Memory:
         1. LPDDR2 RAM: 1 GB
         2. Flash: 4 GB
      5. Multiple language support when used in scheduling mode with server software by same manufacturer:
         1. Chinese (Simplified)
         2. Chinese (Traditional)
         3. Dutch (Netherlands)
         4. English (US)
         5. English (UK)
         6. French
         7. German
         8. Italian
         9. Japanese
         10. Russian
         11. Spanish
    1. Operating Modes:
       1. Control user interface.
       2. Room scheduling with compatible scheduling server.

END OF SECTION 25 13 16