Part 1.   Digital Control Stations

1.01   DIGITAL BUTTON AND FADER STATIONS

A.   Button and Fader Stations

1.   General

a.   The control station shall be the Echo Inspire Station Series as manufactured by ETC, Inc., or equal. It shall be a remote station on an EchoConnect network that can recall presets, provide direct zone control, recall presets and provide room combine actions for a control system.

b.   The station shall consist of a dual function (control/ record) push-button with an integral bi-color backlight for each corresponding button and fader.

c.   The system shall support up to sixteen independent stations

2.   Mechanical

a.   Control stations shall operate using one, two, four, six or eight buttons. A four button with fader station shall also be available.

b.   All button stations shall be available with cream, black or white decorator style faceplates.

1)   Manufacturer's standard colors shall conform to the RAL CLASSIC Standard.

c.   Stations shall have bi-color backlights for each button and fader

1)   Indicators shall utilize a blue backlight for active status

2)   Indicators shall utilize amber for inactive to assist in locating stations in dark environments. Stations that do not provide a lit inactive or deactivated state shall not be allowed

3)   Stations shall support an off backlight state of inactive status when required.

d.   All faceplates shall be designed for flush or surface mounting and have no visible means of attachment

e.   Station faceplates shall be constructed of ABS plastic and designed based on a standard decorator style faceplate. Station faceplates shall be indelibly marked for each button or fader function.

f.   Control station electronics shall mount directly behind the faceplate. The entire assembly shall mount into a single gang back box. Back boxes for flush mounted stations shall be industry standard back boxes. The manufacturer shall supply back boxes for surface mounted stations.

3.   Electrical

a. Control station wiring shall be EchoConnect control wiring utilizing low-voltage, Class II unshielded twisted pair, type Belden 8471 or equivalent, and one #14 ESD drain wire (when not installed in grounded metal conduit).

b. The station shall operate on class 2 voltage provided by the control system via the EchoConnect network.

c. Station wiring must be topology free. It may be point-to-point, bus, loop, home run or any combination of these.

d. Wiring termination connectors shall be provided with all stations.

e. Control stations shall be UL/ cUL listed and CE marked and meet WEE Compliance

4. Station Addressing

a. Station addressing shall be via two 16 position rotary dials and will be set by installers or factory personnel. Station addressing shall require only a space assignment and a device ID assignment.

b. Multiple stations may have overlapping control of presets and zones