

# CONTROL

## TEC-1s AND TEC-1i

### TESIRA ETHERNET CONTROL



TEC-1s and TEC-1i are remote controls for Tesira® systems. They offer a simple, intuitive interface for end users and can be installed and configured to fit the unique needs of a particular application. The device connects via standard CAT-5/6/7 cabling and is powered over Ethernet, eliminating the need for custom cabling and local power sources. Multiple remote control panels can be connected over large distances using standard network technology. TEC-1s is designed to mount to a surface and includes a molded rear chassis with accommodation for cabling and for physically attaching the entire assembly to a surface. TEC-1i is designed to mount into a wall or surface without a rear chassis to ensure the smallest physical profile.

#### FEATURES

- Adjustment and/or initiation of 32 selectable system volumes and actions
- Volumes are any individual or grouped system levels, including inputs, outputs, matrix cross-points, etc.
- Actions are any individual or grouped system operations, including presets, source selection, mutes, ducking, combining, etc.
- Control functions are programmed in the Tesira system design software
- High contrast OLED display with a wide viewing angle
- The display brightness can be adjusted to fit the ambient light present in the application and automatically dims when not in use
- Capacitive touch technology eliminates protruding and moving parts to increase product reliability and longevity while simplifying cleaning
- TEC-1s surface mounts to any wall; multiple mounting options accommodate international back boxes
- TEC-1i flush mounts to any wall; mounts using the retrofit plate (included) or installs in a Raco® 254 box for North American installations (not included)
- 330' (100m) Ethernet cable length can be extended with standard PoE network technology (routers, switches, hubs, media converters)
- Connects with standard RJ45 or IDC connector
- Covered by Biamp Systems' five-year warranty

#### ARCHITECTS & ENGINEERS SPECIFICATION

The control panel shall provide programmable remote control of volume and selection functions for Biamp's Tesira products. The control shall be a PoE network appliance with a graphical display and a capacitive touch scroll wheel for menu navigation and selection. The connection shall be made using a standard RJ45 or IDC connector. The control shall be available as a surface mounted device that shall not require any type of electrical box be present for mounting and available in another form factor as an in-surface device without a backbox. The control shall be made from white PVC/ABS material with UV protection additive. The control panel shall carry a five-year warranty.

The control panel shall be a BIAMP TEC-1s for surface mount applications and TEC-1i for in-surface applications.

## APPLICATIONS

<b>Source Selection</b>	Selection and level control of input sources for background music, such as CD player and auxiliary devices
<b>Paging/Music</b>	Zone page routing and music source selection with independent page/music volume control
<b>Restaurant/Bar</b>	Music source selection and room volume control, independent per zone, or in a single centralized control
<b>A/V Conferencing</b>	Individual source volume control and selection of room mode presets (i.e., conferencing or video playback)
<b>Room Combining</b>	Remote selection of room combinations, based on preset configurations or moveable partitions, with automatic combining of volume functions

## TEC-1s SPECIFICATIONS

<b>Dimensions</b>	5.1"H x 4.7"W x 1.25"D (130mm x 120mm x 32mm)
<b>Weight</b>	0.5 lb (0.2kg)
<b>Power Consumption</b>	PoE Class 1 (3.2W @ full display utilization)
<b>Control Cable Requirements</b>	Unshielded twisted pair (UTP) wiring, 100BaseT interface (CAT-5/6/7 Ethernet cable) using either RJ45 or Insulation Displacement Connector (IDC)
<b>Control Cable Length</b>	330' (100m) Ethernet cable length can be extended with standard PoE network technology
<b>Control Wiring Topology</b>	Standard Ethernet network wiring
<b>Control Programming</b>	Each control configured for specific operation by the system design software
<b>Compliance</b>	EU RoHS Directive 2002/95/EC; CE; FCC

## TEC-1i SPECIFICATIONS

<b>Dimensions</b>	6.22"H x 5.82"W x 0.5"D (158mm x 148mm x 12.7mm)
<b>Weight</b>	0.5 lb (0.2kg)
<b>Power Consumption</b>	PoE Class 1 (3.2W @ full display utilization)
<b>Control Cable Requirements</b>	Unshielded twisted pair (UTP) wiring, 100BaseT interface (CAT-5/6/7 Ethernet cable) using either RJ45 or Insulation Displacement Connector (IDC)
<b>Control Cable Length</b>	330' (100m) Ethernet cable length can be extended with standard PoE network technology
<b>Control Wiring Topology</b>	Standard Ethernet network wiring
<b>Control Programming</b>	Each control configured for specific operation by the system design software
<b>Compliance</b>	EU RoHS Directive 2002/95/EC; CE; FCC