

DATA SHEET

TESIRA® TEC-1s AND TEC-1i ETHERNET CONTROL



TEC-1s and TEC-1i are remote controls for Tesira® and TesiraFORTÉ 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 RJ-45 or IDC connector
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The control panel shall provide programmable remote control of volume and selection functions for Biamp's Tesira and TesiraFORTÉ 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 RJ-45 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. Warranty shall be five years. The control panel shall be a Biamp TEC-1s for surface mount applications and TEC-1i for in-surface applications.

APPLICATIONS

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

TEC-1s SPECIFICATIONS

Dimensions	5.1"H x 4.7"W x 1.25"D (130mm x 120mm x 32mm)
Weight	0.5 lb (0.2kg)
Power Consumption	PoE+ (IEEE 802.3at Class 1, 4W)
Control Cable Requirements	Unshielded twisted pair (UTP) wiring, 100BaseT interface (CAT-5/6/7 Ethernet cable) using either RJ-45 or Insulation Displacement Connector (IDC)
Control Cable Length	330' (100m) Ethernet cable length can be extended with standard PoE network technology
Control Wiring Topology	Standard Ethernet network wiring
Control Programming	Each control configured for specific operation by the system design software
Compliance	RoHS Directive; CE; FCC

TEC-1i SPECIFICATIONS

Dimensions	6.22"H x 5.82"W x 0.5"D (158mm x 148mm x 12.7mm)
Weight	0.5 lb (0.2kg)
Power Consumption	PoE+ (IEEE 802.3at Class 1, 4W)
Control Cable Requirements	Unshielded twisted pair (UTP) wiring, 100BaseT interface (CAT-5/6/7 Ethernet cable) using either RJ-45 or Insulation Displacement Connector (IDC)
Control Cable Length	330' (100m) Ethernet cable length can be extended with standard PoE network technology
Control Wiring Topology	Standard Ethernet network wiring
Control Programming	Each control configured for specific operation by the system design software
Compliance	RoHS Directive; CE; FCC