

- **TW1010:** TRI-Wire Override Interface
- **TVC25:** 25W 100v Line Volume Control

TRI-WIRE TW1010 is an interface between the amplifier and loudspeaker(s) to allow low cost overall paging override and volume restoration, where a number of individual loudspeaker line volume controls are to be installed.

Without TRI-WIRE, each volume control would need to be fitted with an override relay requiring centrally sourced powering, involving 4 wire cabling. As the name suggests, the TRI-WIRE system uses only three wires linked to the volume controls, enabling a lower cost of installation.

A special TRI-WIRE line volume control, TVC25 is recommended for use with this system, though any of the Communication Technology Volume Control range is compatible.

TW1010 has the advantage of being low profile and suitable for all back boxes of at least 20mm depth, supplied standard with an ivory white plastic front panel. For installation in close proximity to the host amplifier.

Features:

- No remote relay powering necessary
- Lower cost of each volume control
- Compatibility with all types of paging access system, including VOX gates, passive or electronic access
- Requires only a few milliamps, can be powered from a 24v plug top supply, or the host amplifier
- TW1010 can easily be installed in a UK double switchplate back box or within the host amplifier
- May also be used to terminate all amplifier and loudspeaker cabling
- Auxiliary outputs for speech (paging) only, music only in addition to normal outputs are provided



Specifications:

Model:	TW1010
Supply Voltage	18 ~ 35v negative ground, 24v nominal
Supply Current	20mA on override
System Function	By direct 'PRESS TO TALK' connection on paging microphone or by grounded 24v access system
Volume Restoration Relay: Contacts	Silver nickel 2 Amp. Maximum switching voltage 150v AC
Maximum Input Power	120W RMS, 50, 70 or 100v line
Dimensions (face plate)	145(W) x 85(H) x 15(D) mm (2 gang plate) requires at least 25mm depth back box/enclosure

Model:	TVC25
Rated Input	25W
Maximum Load	30W
Maximum Input Voltage	100v RMS 140v Peak
Control Attenuation	60dB in 12 steps, including 'Off'
Operating Frequency Range	150Hz ~ 15kHz
Operating in Systems	Attenuation recommended below 150Hz
Terminations	Screw terminals; maximum cable size 3.5mm ²
Dimensions	PCB: 65(H) x 50(D) mm. Overall depth 30mm. When mounted to supplied UK single gang switchplate, depth behind panel is 20mm