Features

This single circuit wall station is connected to the system via the available screw terminal connector PL1. (See diagram 1)

Headset operation
A Tecpro compatible headset, wired as in diagram 2 (as appropriate), should be plugged into the 4 pin XLR connector on the front of the station. Located on the front panel, the "MIC" button activates the headset mic to speak to the system when depressed. The volume control can be adjusted for a comfortable listen level.

Side-tone adjustment
The level of user's voice in the headset is called 'side-tone'. The required level can be set by adjusting the side-tone control VR3 on the rear panel with a small screwdriver.

Signal light operation
The CALL pushbutton flashes a light in all outstations connected to the circuit. It is used to attract the attention of a user that has the headset removed or volume level turned right down.

ClearCom Compatibility
Tecpro stations are completely compatible with Clear-Com stations. Any Tecpro stations added to Clearcom will function as their Clear-Com equivalents. However, Clear-Com stations have a lower bridging impedance and will degrade a Tecpro system slightly due to a reduction in side-tone stability incurred when a Clear-Com outstation is used in a Tecpro communications system. The front panel houses the mic select and call buttons and headphone volume.

Microphone Select
Press the "MIC" button briefly and it will illuminate Red. This action switches on the mic circuitry and allows the operation of other functions. To switch off the mic circuitry press the "MIC" button briefly again. The lamp within the button will extinguish. Holding the "MIC" button continuously keeps the mic circuitry alive for the duration of the press.

Call send
Ensure that a "MIC" circuit has been selected and that its associated lamp is illuminated. Press the "CALL" button briefly. This will cause the lamps on all other beltpacks on the same circuit to flash for approximately one second. The button will also illuminate red. A tone of similar duration will sound in the headphones.

Remote Mic Kill send
Ensure mic circuits have been de-selected. Depress the "CALL" button briefly three times. It will illuminate for approximately two seconds. During this time, briefly press the "MIC" button to switch off all mics on that circuit.

All settings revert to default when power is removed

Default settings
1. Call alert tone ON/OFF - ON.
2. Bright or dim LED's - bright.
3. Disable or enable mic - ENABLED.

Circuit Enable/Disable

HS581
Only one circuit is connected and active.

If no headset is connected, the Mic functions will be disabled. This will prevent immediate feedback if the headset is re-connected with the volume control on maximum but the headset not being worn.

Power requirements:
Supply voltage: 24 - 30 volts DC
Max current consumption: 40 mA in "Call" mode (all LEDs on)
Headphone output: 8 ohm to 4Kohm headphones
Microphone input: 200 to 600 ohm dynamic microphones
Connectors:
Input – 3 way Screw Terminal
Headset - XLR 4 pin male
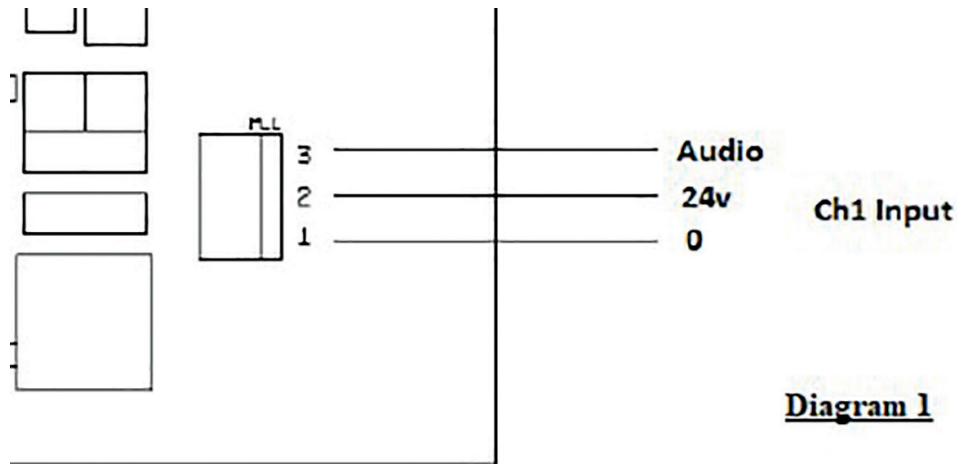Material: 3mm Brushed Aluminium
Dimensions: 130mm (L) x 126mm (W) x 54mm (D behind panel) x 32mm
Weight: 212g

Accessories
27-589 TECPRO HS589FB Flush box for HS581

Wiring Details

Audio

24v

0

Ch1 Input

Diagram 1

Headset connectors:

XLR 4 pin
Pin 1 Microphone Earth/screen
Pin 2 Microphone signal
Pin 3 Earphones Earth/screen
Pin 4 Earphones signal

Headset wiring with an earphone impedance of less than 100 ohms per ear.

Headset wiring with an earphone impedance of more than 100 ohms per ear.

4-pin XLR wiring

Pin 1 - Mic earth
Pin 2 - Mic signal
Pin 3 - Headphone earth
Pin 4 - Headphone signal

Diagram 2