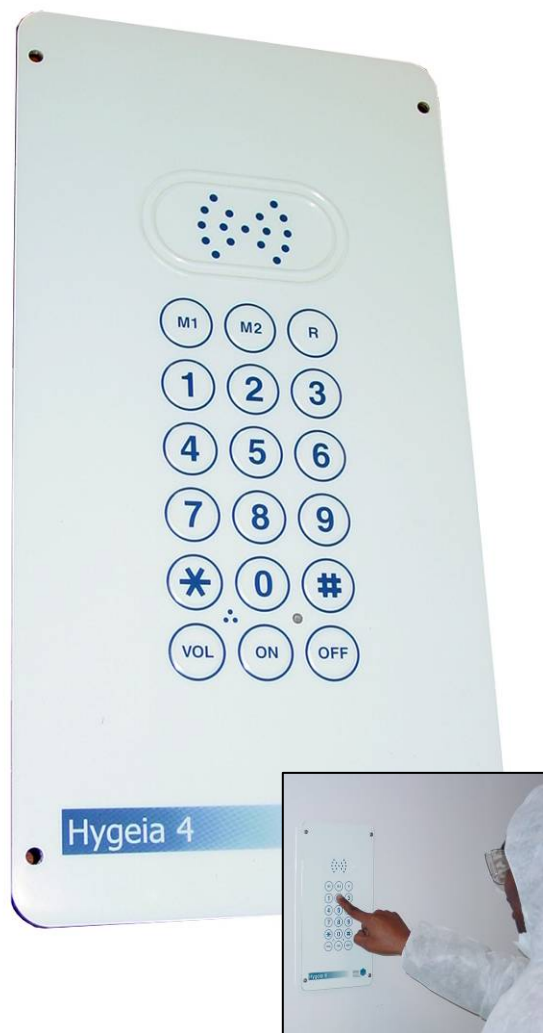




### Hygeia 4

#### Hands Free Sterile Area Telephone



- Full keypad
- Flat membrane fascia, resists contamination
- Hands free operation (VOX)
- DTMF/LD dialling
- Audio-visual ring indication
- REN 1
- CE Compliant
- Flush or surface mounting
- Volume adjust on installation and on front panel

The Hygeia is a fully electronic telephone that incorporates many features found on modern commercial telephones. It provides hands-free loudspeaking communication facilities, as intercoms PBX switching, or coupled direct to the public telecom network.

Hygeia is a flush or surface mounted unit incorporating a flat membrane operating panel. When installed with suitable interface sealants, a very high IP water resistant rating can be achieved.

The operating membrane is an impermeable multilayer chemically inert polyester.

Incoming calls are indicated by a flashing LED and audible warble tone. To aid intelligibility, a volume control button is provided for noisy environments.

Call termination can either be through button depression, automatic time out or remote command.

Ringer operation is selectable either at installation or as remote programming.

Hygeia can be configured to be fully compatible with most PABX's or PTT networks. Loop disconnect (LD) and tone dialling (DTMF) systems are remotely selectable, as are recall systems, timed break recall (TBR) and earth loop recall (ELR).

Available as 18 button with 2 memory keys and volume (VOL) button.

# GAI-Tronics Telephony

## Hygeia 4

### Hands Free Sterile Area Telephone

#### TECHNICAL SPECIFICATION

##### Speech:

Tested to the CTR21 specification.  
Voice-switched (VOX) semi-duplex operation.  
Additional half-duplex mode controlled remotely (optional local push-to-talk button)  
Send & Receive levels remote programmable (1dB step)  
Receive volume control button(s) adjusts level by +/- 6dB  
Call timeout programmable from 1 to 42 minutes  
Remote switch-off capability  
Euro-wide network matching (factory set)

##### Dialling Data:

LD (pulse dialling) : 66:33, 10 ips, 800ms IDP  
DTMF: 100ms to ITU-T Q23  
Recall: TBR (Timed Break Recall), 100ms or ELR (Earth Loop Recall)

##### Other formats (factory set):

LD: 60:40, 10ips, 500ms / 800ms IDP  
DTMF: 50ms  
TBR: 300ms or 600ms

Full keypad with 2 memories, Recall and Volume button.

**Safety:** Tested to EN41003 and EN60950.

##### Ringing and Remote Maintenance:

Dual tone ringing through loudspeaker >75 dB @ 1m REN 1.  
Auto-answer for remote programming: 0 to 15 rings.  
Speech disabled during remote programming: call cleared down in favour of user dialling.

**Sensing:** Remote sensing of network loop current (2.5 mA resolution) and power-supply connection.

**Power Supply:** Regulated power supply required 9-12Vdc @ 500mA (included).

##### Memory Retention (autodiallers):

E<sup>2</sup> PROM - 10 year life.

##### Temperatures:

Operating: -20° C to +55° C  
Storing: -40° C to +70° C

**Relative Humidity:** Up to 95% (non-condensing).

**Weather Resistance:** Up to IP65 dependent on installation.  
Please call for advice on application.

**Casing Material:** Front face plate membrane is an impermeable multilayer chemically inert polyester.

**Chemical Resistance:** Resistant to: Alcohols, Dilute acids, Dilute alkalis, Esters, Hydrocarbons, Ketones, Household cleaning agents. (Tested to DIN 42 115).

**Colour:** White with blue printing

**Weight:** 1.1kg (3kg with backbox)

#### APPROVALS

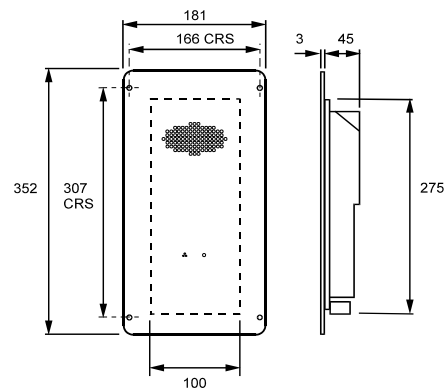


This mark indicates compliance with the following directives:  
Radio & Telecommunications Terminal Equipment Directive 1999/5/EC (R&TTE)

Tested to CTR21

For specific country approval, please call

#### DIMENSIONS



Overall (no back box): 352H X 181W X 48D mm

Fixing: 307H X 166W mm CRS

Cut out: 275H X 100W mm

#### ORDER CODE

**Hygeia** no back box  
028-02-1408-900

with stainless steel back box  
028-02-1408-9B0



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The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.