

Jacques Electronics Pty Ltd

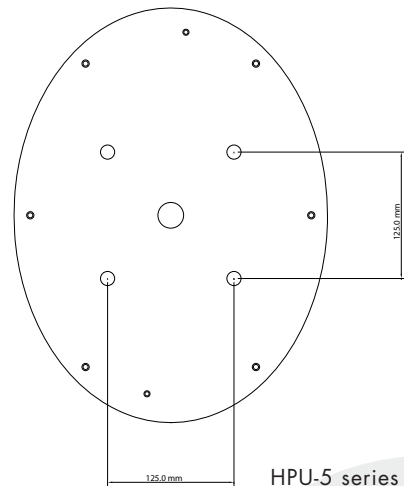
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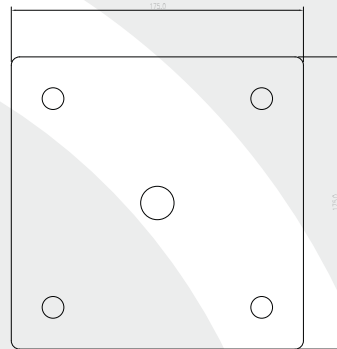
Emergency Help Point Units HPU-5E & HPU-5E-i

MOUNTING DETAILS

- Four M8-M10 screws through the back plate fix the HPU in position
- If fixing to a metal surface such as a square steel tube, drill and tap the post
- When mounting to a masonry wall with an uneven surface use the HPU-5 series wall mounting plate
- To maintain the IP rating against rain and dust, use the HPU-5 series wall mounting gasket and silicone sealing compound



HPU-5 series back plate



HPU-5 series 31655 wall mounting plate

SPECIFICATIONS

GENERAL

- Construction: (front shell) 5mm die cast aluminium; (front control panel) 3mm 316 type stainless steel, powder coated; (back) 3mm 316 type stainless steel
- Shell finish: Dulux orange powder coat with a coating of clear anti-graffiti lacquer
- Dimensions: (W x H x D) 320 x 420 x 120 mm
- Weight: 8.1 kg
- Power source: (12 - 32) V d.c.
- Current consumption: 75 mA @ 24 V d.c (idle); 220 mA @ 24 V d.c (active call & speaker output at maximum rms)
- Operating temperature: (0 - +50) °C
- Storage temperature: (-10 - +60) °C
- Humidity: 10% - 95% RH (non-condensing)

AUDIO CHARACTERISTICS

- Microphone: Electret, single ended
- Speaker: 2 W rms, 4 Ω
- Input frequency response (±3 dB mic.): 50 Hz - 7 kHz
- Output frequency response (-3 dB): 50 Hz - 7 kHz
- Output distortion: 0.5% (2 W rms speaker output)

INPUTS & INDICATORS

- Call LED: Green, Hi-brightness 5 mm diameter
- Emergency button: Red piezo button, 19mm diameter
- Information button: (HPU-5E-i only) Blue piezo button, 19mm diameter

NETWORK INTERFACE

- Interface media: IEEE 802.3 10/100 BASE-T Ethernet
- Quality of Service (QoS): IEEE 802.1P Ethernet/Layer 2, Diffserv (RFC 2998) IP/Layer 3
- Protocols supported: TCP/IP, UDP, DHCP, RTP, RTCP, JCCP
- Audio streaming bandwidth: 128 kb/s one way; [256 kb/s for full duplex]

CABLING

- Ethernet/power: 4 pair CAT-5, multistrand
- Power: 24/0.20 twin, multistrand
- Relay contacts: 24/0.20 twin, multistrand

CONNECTIONS

- Ethernet/power: 1 x RJ45
- Power: 1 x 2 way terminal block plug, 3.81 mm pitch
- Relay contacts: 1 x 6 way terminal block plug, 3.81 mm pitch

RELAYS (optional)

- Number of relays: 2
- Relay contacts: Normally Open & Normally Closed
- Relay contacts rating: 1 A, 30 V d.c

PRODUCT OPTIONS

- Custom artwork for shell & control surfaces
- External noise pickup microphone with 3m unterminated screened cable
- Wall mounting kit (WMP-5)
- Configuration options to specific requirements
- 24 V d.c. power supply



SPECIFICATIONS

Due to our policy of continuous improvement, all specifications are subject to change without notice. Copyright 2008.

HELP POINT UNITS - RELIABLE EMERGENCY AND INFORMATION COMMUNICATIONS

DESCRIPTION

The Jacques Emergency Help Point Unit (HPU-5E(i)) is a user-friendly, reliable, robust Help Point station that automatically connects via a LAN or WAN, to a monitoring or central control location, once the call button is pressed. Available with emergency or dual emergency and information buttons, the system is based on Ethernet network standards and TCP/IP protocols.

As an Ethernet network device, Help Point Units can easily be integrated into existing, shared or dedicated networks. Additional relay boards can be fitted to control lighting, duress alarms, CCTV, gate access control or most user defined functions.



EXAMPLE APPLICATION: TRAIN STATION

With wide availability and simplicity of connection, Ethernet networks (LAN/WAN) provide the ideal communication infrastructure for the Jacques Emergency & Information Help Point System. A typical example of this is its use on the LAN of a Railway Station, which may be part of a large Wide Area Network (WAN) covering distances of hundreds of kilometers. This ability to expand enhances its use as a Local System (within the station) during the day. At times when the station is unattended, the Help Point Unit can be switched automatically or manually to a central control location.



HOW IT WORKS

1. Pressing the call button on the Help Point Unit (HPU) immediately sets up a call request at the central control location and the HPU call LED starts blinking
2. When the control room operator answers the call the call LED changes to a steady state, indicating the call is answered/connected
3. HPU operation is totally hands free and the caller simply speaks and listens to the Help Point Unit
4. If the call is not answered at the central control room after a preset time, the system will optionally divert the call to a preset telephone number (eg. mobile phone)
5. On completion of the call, the call LED will turn off

'Providing reliable emergency and information communications when public safety is paramount'

FEATURES

- Highly visible, solid, vandal resistant unit, designed with public safety in mind
- Crystal clear voice communications
- Simple 1 or 2 button operation - Emergency or Emergency & Information calls (HPU-5E & HPU-5E-i)
- Environmentally sealed (IP-56 rated)
- One-touch operation with hands-free communication once call is established
- Simple installation and low maintenance
- Extremely sensitive omni-directional microphone
- Connects directly to any port on a standard Ethernet network
- In built tamper detection alarm
- Acoustic testing of HPU speaker and microphone
- Vandal and water resistant piezo electric call button(s)

OPTIONS

- Optional interfaces to the Public Switched Telephone Network (PSTN) or Local Telephone Exchange (PBX)
- Optional relay board with monitoring inputs for control and/or monitoring of CCTV camera, duress alarm, gate/door locks, strobe or flood lighting or user defined functions

APPLICATIONS

The Jacques Emergency HPU-5E(i) is suited to public safety applications where emergency and/or information assistance is required including:

- Car parks
- Shopping centres & malls
- University or college campuses
- Bus & train stations
- Airport & shipping terminals
- Motorways & highways
- Bridges & tunnels

