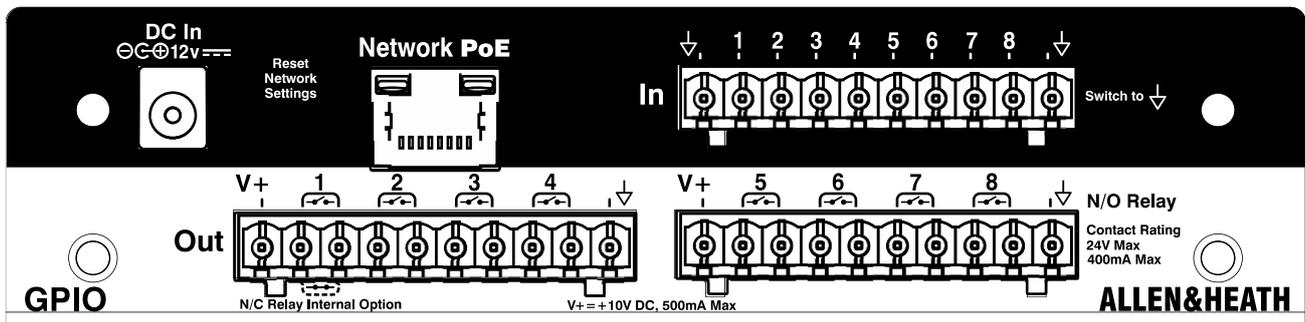
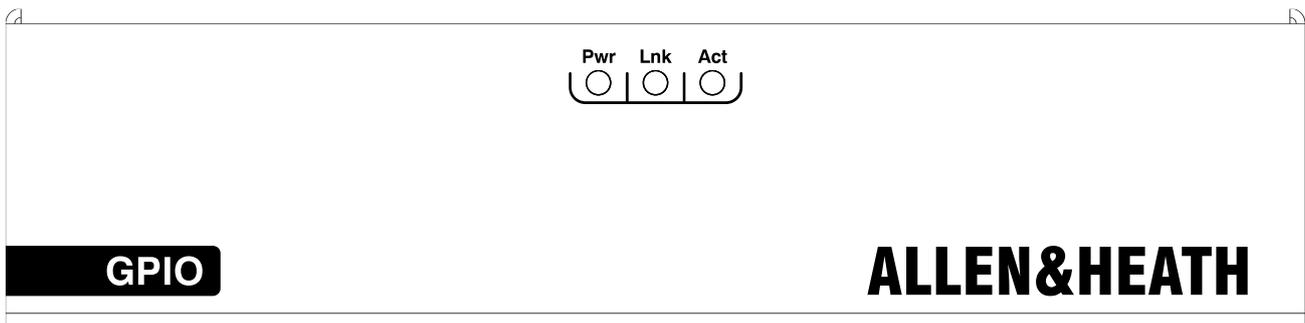


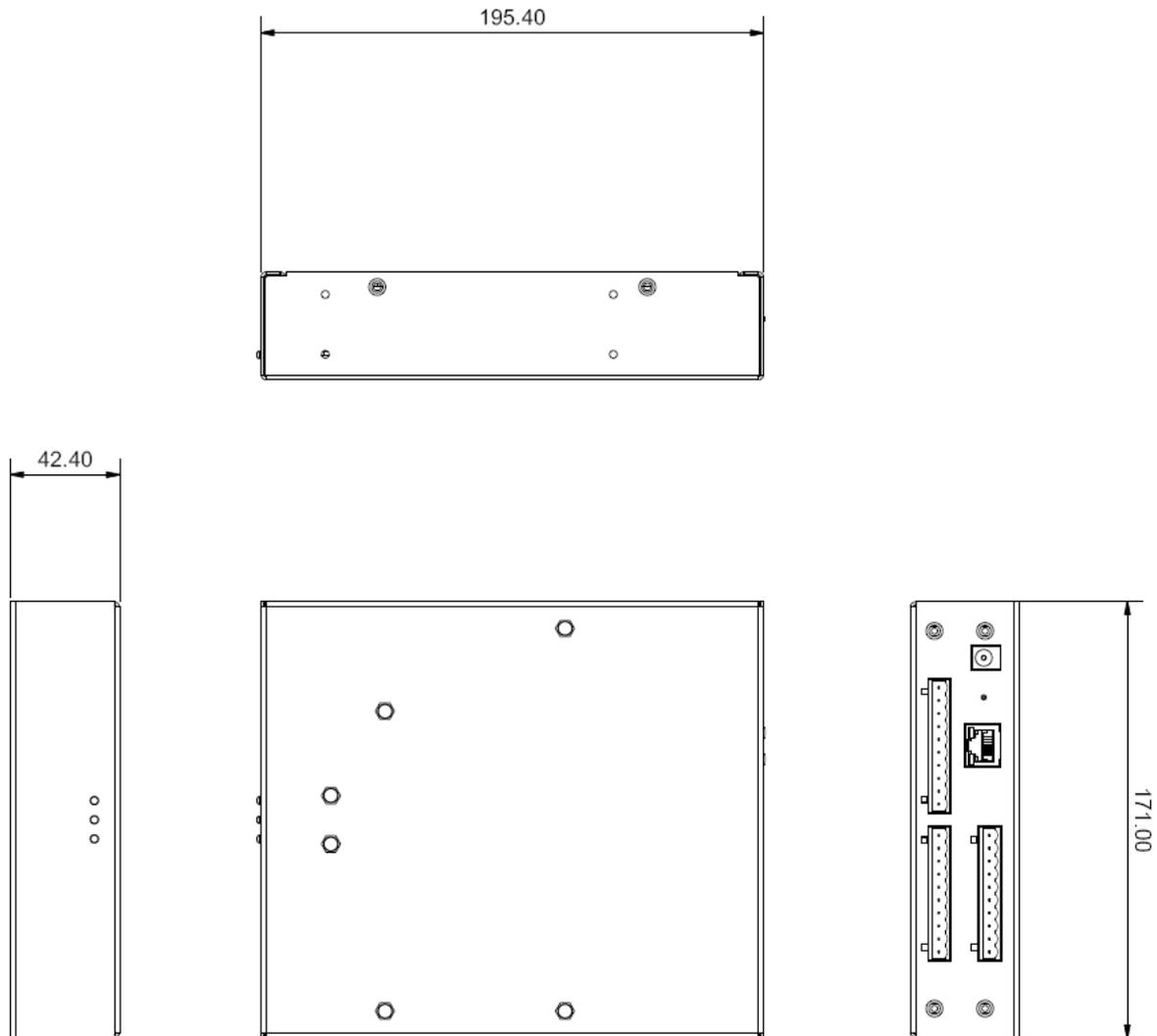
GPIO Technical Datasheet

Overview

- Cat5 connection to dLive, Avantis or AHM-64
- 8 optically protected switched to ground inputs
- 7 normally open (N/O) and 1 switchable normally open (N/O) or normally closed (N/C) relay outputs
 - 24V Max
 - 400mA Max
- 2x 10V outputs (500mA max total)
- Industry standard Phoenix connectors
- Freestanding or rack-mount (1u / ½ Width) operation
- PoE (IEEE 802.3af-2003) compliant
- IO parameters configured via Surface or Director



Dimensions



A&E Specifications

The unit shall be a portable General Purpose Input Output network device used for 3rd party integration to a dLive, Avantis or AHM system.

The unit shall have 8 switched to ground inputs with opto-isolation between inputs. There shall be 7 Normally Open relay outputs and 1 switchable Normally Open or Normally Closed relay output available on industry standard Phoenix connectors. The relays shall have a maximum 10 Watt contact rating and a 0.4 Amp switching current. In addition, the device shall also provide two +10V outputs with a maximum total current of 500mA. IO parameters shall be software assignable via AHM System Manager or dLive Director Software (PC or Mac), or via an Avantis mixer or dLive Surface.

The device shall be connected to a dLive Surface or MixRack, Avantis mixer, or AHM-64 matrix processor via standard cat5 cabling via an RJ45 connector located on the rear panel. A reset button should be available to reinstate factory default network settings if so required.

The unit shall be freestanding, desk-mounted or rack-mounted and optional mounting accessories shall be available. When rack-mounted the unit shall utilise 1U in height and ½ width of a standard 19" rack. The optional mounting unit shall be of a robust construction and allow for two units to be installed in a single rack unit. It should also allow for the blanking of one half if only one unit is installed. There shall be a maximum of 8 units supported in any system.

The unit shall have a built-in power supply accepting 12V DC via the supplied power supply. The unit shall also be PoE (IEEE 802.3af-2003) compliant and can be powered via the network port from an external switch or PoE injector. Recommended operating temperature for the unit shall be 5 to 35 degrees Celsius.

The unit shall be the Allen&Heath GPIO.

Technical Specifications

System

Relay Output Max Voltage

24V

Relay Output Max Current

400mA

Input

Switched to ground

External Power Output

+10VDC / 500mA max

Operating Temperature
Range

0°C to 35°C (32°F to 95°F)

Power Supply

12V DC via external PSU (1A max) or PoE (IEEE 802.3af-2003) (0.9A max)

Dimensions and Weights

Width x Depth x Height x Weight

GPIO

171 x 203 x 43 mm (6.75" x 8" x 1.7") x 1.2kg (2.7lbs)

Boxed

GPIO

360 x 306 x 88 mm (14.25" x 12" x 3.5") x 3kg (6.6lbs)