

SI 1015 Modulator

FEATURES

- Wideband modulator for the carrier frequencies 2.3 and 2.8 MHz
- Modulator for single-channel, two-channel or stereo operation, features monitoring diodes and a separate barrier strip with RF and DC outputs for connecting radiators
- Wide range of mounting accessories for the radiator, modulator comes complete with rack-mount ears

The SI 1015

wideband modulator uses the reliable carrier frequencies 2.3 and 2.8 MHz and can be operated in single-channel, two-channel and stereo modes. The modulator is fitted with two balanced XLR-3 audio inputs and IR monitoring diodes. It can be used with SZI 1015 and SZI 1029 radiators, the signals for the radiators are available at two RF sockets, or, alternatively, at a barrier strip. (N.B.: The barrier strip – which also powers the connected radiators – can only be used with SZI 1015 and SZI 1029-24 radiators.)



ARCHITECT'S SPECIFICATIONS

The wideband infrared modulator shall be for use with companion radiators as part of a wireless IR assistive listening system or IR language transmission system. The modulator shall provide coverage for up to 400 sq m (4305,56 sq ft). The modulator shall be capable of operating on the carrier frequencies of 2.3 and 2.8 MHz and shall be switchable between single-channel, two-channel and stereo operation. The modulator shall feature IR monitoring diodes and shall provide two balanced XLR-3 audio inputs. Input impedance shall be 600 ohms, the input voltage range shall be 10 mV – 5 V (line). The RF signals for the radiators shall be available at two BNC-type RF sockets or, alternatively, at a separate barrier strip with RF and DC outputs. Nominal deviation shall be +/- 40 kHz, peak deviation shall be +/- 56 kHz. The operating voltage shall be 24 – 30 V DC, current consumption shall be < 140 mA. The modulator shall feature a 9.5" 1U rack-mountable housing and shall come complete with two rack-mount ears. The modulator dimensions without rack-mount ears shall be 224 x 44 x 173 mm. Weight without rack-mount ears shall be 800 grams (1.8 lbs.). The modulator shall be the Sennheiser SI 1015.

TECHNICAL DATA

Audio-in	2 x XLR-3 balanced
Carrier frequency.....	2.3 MHz / 2.8 MHz
Current consumption	< 140 mA
Dimensions.....	1/2 19-inch, 1 U (224 x 44 x 173 mm)
Impedance	600 Ω
Input voltage range.....	10 mV – 5 V (Line)
Modulation	FM
Nominal deviation	± 40 kHz
Operating voltage (mains)	24-30 V DC
Peak deviation	± 56 kHz
RF output	2 x BNC
Weight.....	1.8 lbs. (800 g)

