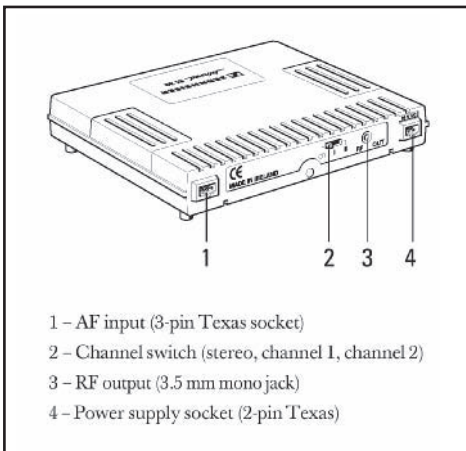
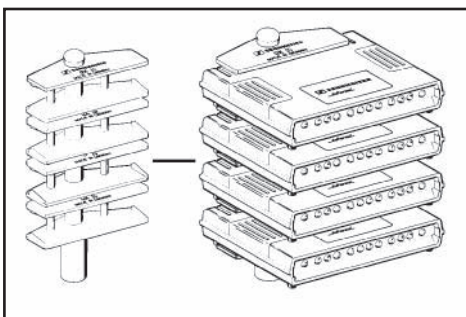


Front view of SI 30



Back view of SI 30



Radiator cluster with four IZK 20 clamps and IZM 20 cluster mounting kit

## IR Wideband Modulator with Integral Radiator

The SI 30 is a wideband modulator with an integral radiator. It can be switched between operation on channel 1 (2.3 MHz), channel 2 (2.8 MHz) and stereo operation. Due to its compact size and relatively low radiating power, the SI 30 modulator/radiator and the SZI 30 radiator are an ideal choice for smaller or medium-sized rooms, for covering recesses or for applications which require transmission of audio information to well defined zones, e.g. in museums.

NOTE: Power supply is not included. Please order as required.

## Features—Benefits

- New, higher subcarrier frequencies to avoid interference with fluorescent lighting
- Easy to install
- Master system can be used independently for up to 750 sq. ft. of coverage
- SZI 30 slave emitters offer increased coverage
- Connects to line level audio source via 1/8" or 1/4" plug unbalanced
- 1-year warranty

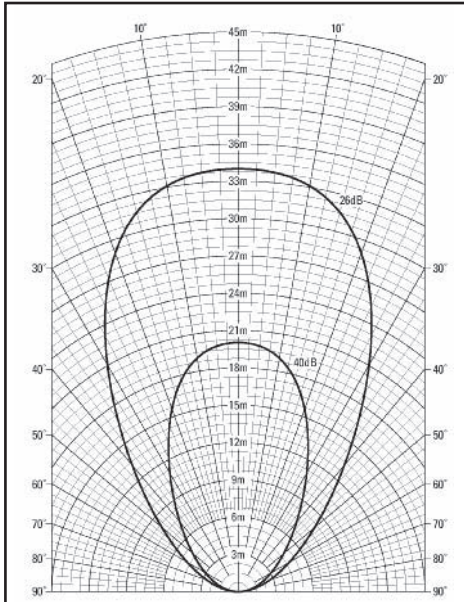
## Technical Data

Modulation	wideband FM
Nominal deviation	± 50 kHz
Carrier frequencies	2.3 MHz, 2.8 MHz
AF input	3-pin Texas socket
AF input voltage for nominal deviation	45 mV–4 V (automatic modulation control)
AF frequency response	30–18,000 Hz
THD (1 kHz, nom. dev.)	≤ 1 %
AF signal-to-noise ratio	≥ 60 dB(A) rms
RF input–RF output	1/8" mono jack
Output impedance	approx. 50 Ω
IR diodes	11
Max. coverage area approx.	80 m, single-chn.
Radiating power approx.	0.5 W
Operating voltage	24–27 V DC via 2-pin Texas socket
Current consumption	approx. 180 mA
Dimensions in inches	approx. 4.64 x .98 x 3.54
Weight	approx. 4.93 oz

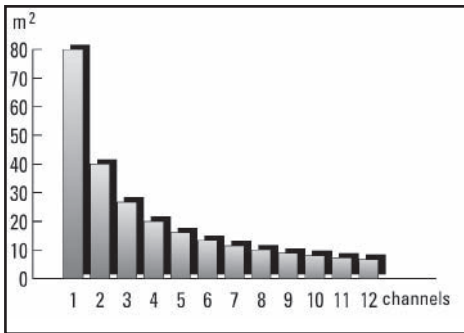
## Product Variants

SZI 30 Emitter

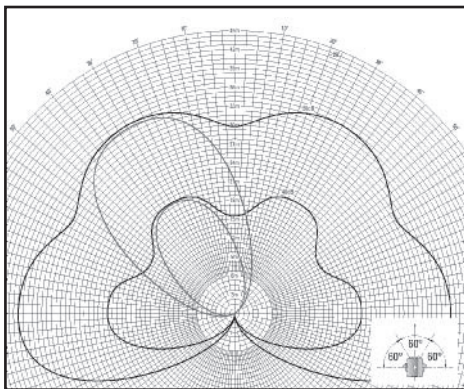
# SI 30



Polar pattern of the SI 30/SZI 30



Coverage area of the SI 30 / SZI 30



Four SZI 30, mounted at an angle of 60° to one another. For comparison purposes, the coverage of a single SZI 30 is shown at 30°.

## Supplied Accessories

1 x AF connection cable, 1/8" stereo jack plug to Texas connector, length 2 m	S46562
1 x 1/8 to 1/4" stereo jack adapter	

## Required Components

Power supply for one SI30 or SZI30 24VDC, 200mA	NT20-1-120
Power supply for up to four SI30 and SZI30 24VDC, 500mA (requires KKY20-015)	NT20-4-120
RF connection cable (2x 1/8" jack); 3.9"	KR20-015
Mounting clamp (one required for each SI30 and SZI30)	IZK20

## Optional Accessories

RF extension cable, 24.6'	KR 20-7
AF extension cable, 3.28'	KK 20-1
AF extension cable, 24.6'	KK 20-7
4-way "octopus" cable (Texas connectors)	KKY20-015
Mounting hardware for clusters of 2 to 4 SI30 and SZI30	IZM 20
Wall/ceiling mount, 5/8" thread	WM1
Adapter, 5/8" to 3/8", for mounting a single SI30 or SZI30	MZA216

## Compatible Accessories

Single channel stethophone receiver	RI250/RI250-J/RI250-S
Two channel stethophone receiver	HDI302
Charger and power supply for 10 batteries	L151-10 and NT92-120
Charger and power supply for 11-50 batteries	L151-10 (one for every 10 batteries) NT2013-120
Spare rechargeable batteries	BA151 NiMH
Latex replacement ear cushions	EP405L

## Architect's Specifications

The unit shall be a wideband infrared modulator with a nominal deviation of  $\pm 50$  kHz. The Carrier frequencies must be 2.3 and 2.8 MHz. The unit must have a 3-pin Texas socket AF input with a 45 mV–4 V input voltage for nominal deviation. The AF frequency response must be 30–18,000 Hz, with THD equalling  $\leq 1\%$ . The AF signal-to-noise ratio shall be  $\geq 60$  db(A) rms. The output impedance shall be approx.  $50 \Omega$ . There shall be 11 diodes. The max. coverage area shall be approx. 80 m, with a radiating power of approx. .5 W. The operating voltage shall be 24–27 DC via 2-pin Texas socket. The current consumption shall be approx. 180 mA. The dimensions shall be approx. 4.64 x .98 x 3.54 and weigh approx. 4.93 oz The unit shall be a Sennheiser SI 30.