

## Indoor modulators

### MOD90 - MOD90R

MOD90  
MOD90R

Double sideband indoor audio/video modulators. Output channel programmable via dip-switch. Stable frequency output due to PLL Synthesis and controlled via microprocessor. The modulator can be powered from the receiver or using an external power supply (9-24V/80mA max). Packaging 1 pc.

- This unit can be used to distribute signals from a receiver without a modulator
- Audio/video input connection via SCART socket and high output level (90dB $\mu$ V)
- Adjustable audio/video inputs
- Multistandard



Item Code		MOD90 280001	MOD90R 280002
Power supply	V	9-24	9-24
Connection	type	Coaxial cable or Jack	Coaxial cable or Jack
Max. consumption	mA	80	80
Video signal level	Vpp	1	1
Audio signal level	Vrms	1	1
Bandwidth	MHz	5-2300	5-2300
RF output level	dB $\mu$ V	75-90 (adjustable)	75-90 (adjustable)
Output channels		IF + E2-E12 + S1-S20 + E21-E70	IF + E2-E12 + S1-S20 + E21-E70
Available standards		PAL B/G, I, D/K, SECAM L, H	PAL B/G, I, D/K, SECAM L, H
Pass-through attenuation	dB	4 $\pm$ 1	4 $\pm$ 1
RF connectors	type	F	F
A/V connectors	type	Pass-through scart	RCA
Dimensions	mm	100x75x30	80x75x30
Operating temperature	$^{\circ}$ C	-10 to +40	-10 to +40

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### MOD90S

MOD90S

Multistandard double sideband audio/video stereo A2 modulator with Crystal PLL synthesizer to set up the output frequency. The VHF and UHF frequency band and the high flexibility with multi-standard selection enable it to be used in many different installations.

- PLL crystal frequency stabilisation



Item Code		MOD90S 287058
Composite video input	Frequency range	Hz-MHz
	Input level/Impedance	Vpp/Ohm
Audio input	Frequency range	Hz
	Input level/Impedance	mVpp/KOhm
	Frequency deviation	kHz
	Level adjustment	dB
RF output	Modulated output level	dB $\mu$ V
	Output level adjustment	dB
	Available standards	B/G, D/K, H, I, SECAM L, M/N, (programmable)
	Output frequency range	MHz
Sub-carrier frequency	Sound 1	MHz
	Sound 2	MHz
Video carrier frequency fine tuning	MHz	$\pm$ 2.25 in steps 0.25 (programmable)
Sound 1 sub-carrier frequency	dB	12/16
Sound 2 sub-carrier frequency	dB	21 $\pm$ 3
Amplitude modulation depth	%	81 (typical)
Weighted signal to noise ratio	dB	>55
Power consumption	W	2.5
Mains	Vac, Hz	230, 50
Operating temperature	$^{\circ}$ C	-10 to +40