

# LINEAR AMPLIFIER

Professional radio products and accessories

482

25-40 MHz

486

35-50 MHz

## 100 watts — Base — 110V AC

Bilateral



Professional design standards and leading production techniques combine to give Hy-Gain Linear Amplifiers professional quality and highest dependability. Solid State electronics and Printed Circuitry throughout provide incomparable reliability; and the use of sealed plug-in relays has reduced contact failure to a minimum.

Hy-Gain Class B Grounded Grid Circuits have long provided stable amplifiers accepted by all communication specialists.

All Hy-Gain Linear equipment incorporates input matching to permit low SWR and maximum power transfer to the cathodes. A built-in low pass filter reduces spurious and harmonic content to minus 65 db (in the line at all times). All units meet the spurious and harmful radiation requirements.

All transistor keying provides automatic transmit for Hy-Gain/Galaxy Linears, with the application of R.F. power.

A completely Solid State receiver-amplifier provides up to 20 db gain on received signals.

### SPECIFICATIONS

Drive Requirements:	3.5 watts optimum (will accept 1 through 15 watts)	Cooling:	Convection
Input Power:	160 watts DC input to P.A.	Spurious Reduction:	-65 db down at full power
Output Power:	80 watts carrier CW/FM 60 watts AM/100% modulation 100 watts SSB/DSB (amateur service)	Primary Power:	110V AC, 60 cycles, 3 amps
Class of Operation:	Class B Grounded Grid	Power Required to Key:	1 watt
Switching:	Automatic with application of R.F. Power	Tube Compliment:	2-6JU6
Switching Delay:	Selectable fast attack, slow release, for amateur SSB service	Modulation:	100% when operated per instruction book
Frequency Coverage:	Model 482 25 to 40 MHz Model 486 35 to 50 MHz	Relays:	2 Relays, plug-in, sealed
Weight:	12.0 lbs.	Receive Amplifier:	20 db gain minimum, selectable off/on
		Type accepted under Parts 89, 91, 93 for land mobile use.	
		Illegal on Citizen Band.	

HY-GAIN ELECTRONICS CORPORATION

R. R. 3—Lincoln, Nebraska 68505

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**483**

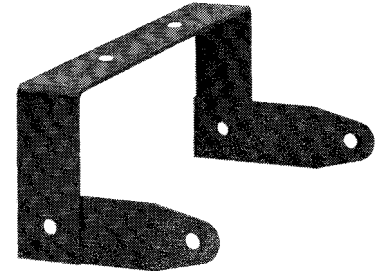
25-40 MHz

**487**

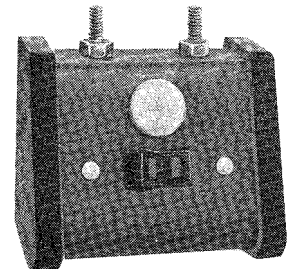
35-50 MHz

## 100 watts — Mobile — 12V DC

Bilateral



Mobile mounting bracket  
(furnished)



Remote switch 407

Attractively designed remote switch Model 407 allows installation of Models 483 and 487 in your car trunk. Linear amplifier may be pre-tuned before installation.

Solid State components and Printed Circuitry give Hy-Gain Linear amplifiers incomparable reliability; and leading design and production techniques insure professional quality and dependability. Sealed plug-in relays used in Hy-Gain Linear amplifiers have reduced contact failure to a minimum.

Hy-Gain Linear amplifiers incorporate input matching to permit low SWR and maximum power transfer to the cathodes. The built-in low pass filter reduces spurious and harmonic content to minus 65 db (in line at all times). All Hy-Gain units meet spurious and harmful radiation requirements.

All transistor keying provides automatic transmit with application of R.F. power.

A completely Solid State receiver amplifier provides 20 db gain on received signals.

### SPECIFICATIONS

Drive Requirements:	3.5 watts optimum (will accept 1 through 15 watts)	Cooling:	Convection
Input Power:	160 watts DC input to P.A.	Spurious Reduction:	-65 db down at full power
Output Power:	80 watts carrier CW/FM 60 watts AM/100% modulation 100 watts SSB/DSB (amateur service)	Primary Power:	12V DC, Negative ground, 17 amps transmit, 3 amps receive
Class of Operation:	Class B Grounded Grid	Power Required to Key:	1 watt
Switching:	Automatic with application of R.F. power	Tube Compliment:	2-6JU6
Switching Delay:	Selectable fast attack, slow release, for amateur SSB service	Modulation:	100% when operated per instruction book
Frequency Coverage:	Model 483 25 to 40 MHz Model 487 35 to 50 MHz	Relays:	1 plug-in, sealed
Weight:	8.0 lbs.	Receive Amplifier:	20 db gain minimum, Selectable off/on
		Type accepted under Parts 89, 91, 93 for land mobile use.	
		Illegal on Citizen Band.	

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