

HALCRO Logic MC20 and MC30 multi channel power amplifiers

Specifications and Features



POWER OUTPUT

- 400W RMS continuous into 4 Ohms
- Frequency Response (-3db) 5Hz – 45kHz

FEATURES

- MC30 is a 3 channel rack mountable or free standing power amplifier
- MC20 is a 2 channel rack mountable or free standing power amplifier
- Full control via RS232 or ETHERNET connection
- Remote trigger switch between On & Standby

AUDIO

Inputs, selectable

- Unbalanced: RCA sockets
- Balanced: XLR sockets

Outputs

- Internally bridged: Binding Posts

COMMAND FUNCTIONS

- Switch between On & Standby
- Ability to inhibit individual amplifier modules
- Amplifier module will indicate Over Temperature condition
- Amplifier module will indicate Over Current condition
- Halcro Reliability Assurance Service

GAIN

- Unbalanced and balanced: 29x = 29dB

POWER SUPPLY

- Universal switch mode
- Power factor corrected
- Fully protected
- Compliant in all countries

FAULT INDICATIONS

- LED turns red if Heatsink temperature exceeds 78°C
- LED flashes red if current limit is exceeded

DISTORTION

- THD: <0.007% at 1kHz at all powers up to 400W into 4ohms
- < 0.03% at 7kHz at all powers up to 400W
- Noise: <30nV/sqrt(Hz) @ 1kHz referred to input

IMPEDANCE

Input

- Unbalanced: 10k Ohms
- Balanced: 10k Ohms

Output impedance at 7kHz

- <80milliohms

POWER

Consumption

- Idle: <14W
- 350W with 4 Ohm load: <22W heat (>94% efficient)

PROTECTION

- Thermal, > 78°C on heatsinks
- PSU voltage, High & Low
- Over current
- Pulse width guaranteed at logic level
- EMI Filtering, series & common mode

- Carrier switching frequency, 470kHz
- Carrier frequency level at output into 4 ohms, < .2V rms with no input signal

COMPLIANCE

- EN55022
- EN61000-3
- EN61000-4
- EN60065
- UL60065
- FCC Part 15
- CB

MAINS VOLTAGE

- 100–250 VAC

TEMPERATURE

- Operating range, 0°C to 50°C
- IMPORTANT: If stacking or placing the amplifier in a racking system, DO NOT place any other product on top of the MC30 or MC20 or overheating/failure may result. Overheating will also shorten the working life of all components. Be sure to leave a minimum of 4 inches (10 cm) clearance around the unit to allow for adequate ventilation

DIMENSIONS

- Weight: MC30 – 49.8lb or 22.4kg
MC20 – 46.5lb or 21.1kg
- Height: 7 inches or 169mm
- Width: 17 inches or 438 mm
- Depth: 16 inches or 410mm

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