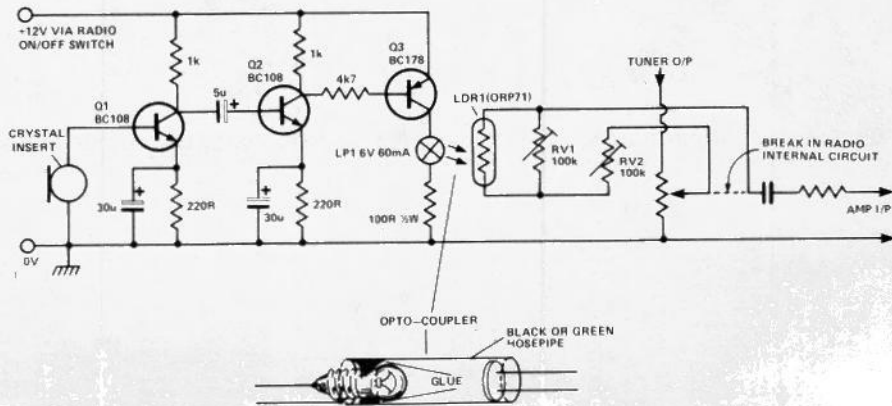


Car A.V.C.

R. Johnson

As the noise from the engine increases the lamp LP1 is lit by Q3 which causes the resistance of LDR1 to decrease. This change in resistance controls the volume of the radio. A home-made optocoupler is used to reduce circuit cost, and the LDR is connected as shown. Adjustment of RV1 and RV2 is necessary so that the increase in engine noise corresponds to an approximately equal increase in radio volume.



15 — 240 Watts!

HY5 Preamplifier

The HY5 is a mono hybrid amplifier ideally suited for all applications. All common input functions (mag Cartridge, tuner, etc.) are catered for internally; the desired function is achieved either by a multi-way switch or direct connection to the appropriate pins. The internal volume and tone circuits merely require connecting to external potentiometers (not included). The HY5 is compatible with all I.L.P. power amplifiers and power supplies. To ease construction and mounting a P.C. connector is supplied with each pre-amplifier.

FEATURES: Complete pre-amplifier in single pack — Multi-function equalization — Low noise — Low distortion — High overload — two simply combined for stereo

APPLICATIONS: Hi-Fi — Mixers — Disco — Guitar and Organ — Public address

SPECIFICATIONS:

INPUTS: Magnetic Pick-up 3mV, Ceramic Pick-up 30mV, Tuner 100mV, Microphone 10mV, Auxiliary 3-100mV; input impedance 47k Ω at 1kHz

OUTPUTS: Tape 100mV, Main output 500mV R.M.S.

ACTIVE TONE CONTROLS: Treble \pm 12dB at 10kHz, Bass \pm at 100Hz

DISTORTION: 0.1% at 1kHz, Signal:Noise Ratio 68dB

OVERLOAD: 38dB on Magnetic Pick-up, **SUPPLY VOLTAGE:** \pm 16-50V

Price £5.22 + 65p VAT P&P free

HY5 mounting board B1 48p + 6p VAT P&P free

HY30 15 Watts into 8 Ω

The HY30 is an exciting New kit from I.L.P. — it features a virtually indestructible I.C. with short circuit and thermal protection. The kit consists of I.C., heatsink, P.C. board, 4 resistors, 6 capacitors, mounting kit, together with easy to follow construction and operating instructions. This amplifier is ideally suited to the beginner in audio who wishes to use the most up-to-date technology available.

FEATURES: Complete kit — Low Distortion — Short, Open and Thermal Protection — Easy to Build

APPLICATIONS: Updating audio equipment — Guitar practice amplifier — Test amplifier — Audio oscillator

SPECIFICATIONS:

OUTPUT POWER: 15W R.M.S. into 8 Ω , **DISTORTION:** 0.1% at 15W

FREQUENCY RESPONSE: 10Hz-18kHz

