



LIME SL2000 NOISE POLLUTION CONTROL SYSTEM



SETUP PROCEDURE

1. INITIAL POWER UP

ON INITIAL POWER UP THE TIMER / POWER INDICATOR WILL FLASH AND THE OK INDICATOR LED WILL THEN ILLUMINATE. DUE TO CERTAIN INSTALLATION CONDITIONS THE T1 AND T2 INDICATOR LED'S MAY FLASH BEFORE RETURNING TO THE OK INDICATION LED. THIS UNIT IS NOW READY FOR ADJUSTMENT.

2. ADJUSTMENT

VR-1 (THE OVERALL MICROPHONE GAIN) SHOULD BE ADJUSTED* ACCORDINGLY TO DETERMINE THE DESIRED DECIBEL (dB) LEVEL REQUIRED TO TRIGGER THE UNIT.

3. FINE ADJUSTMENT

VR-2 HIGH FILTER ADJUSTMENT - THIS SHOULD BE ADJUSTED* IF YOU REQUIRE MORE OR LESS SENSITIVITY TO VOCALS ETC.

VR-3 LOW FILTER ADJUSTMENT - THIS SHOULD BE ADJUSTED* IF YOU REQUIRE MORE OR LESS SENSITIVITY TO LOW FREQUENCIES I.E. BASS.

** ADJUSTMENT: ANTI-CLOCKWISE > LESS SENSITIVE / CLOCKWISE > MORE SENSITIVE.*

VR-5 TIMER ADJUSTMENT, NORMALLY SET TO 1 TO 1.5 SECOND INTERVALS GIVING AN OVERALL TIME OF APPROX 7 - 10 X 2 SECONDS. INTERVAL STEPS CAN BE SET BY OBSERVING THE FLASHING POWER INDICATOR LED ONCE ON PLUS ONCE OFF = 1 CLOCK PULSE. 5 PULSES = CUTOFF, 5 MORE PULSES TO AUTO RESET. 10 PULSES = 1 COMPLETE CYCLE.

AFTER BEING TRIGGERED AND THE VOLUME NOT BEING REDUCED, THE UNIT WILL THEN CUT OFF POWER FOR THE TIME YOU HAVE PRESET, AND THEN IT WILL RESET.

KEYSWITCH

THE KEYSWITCH HAS TWO SETTINGS, MONITOR AND ACTIVE.

MONITOR - ALLOWS THE UNIT TO ASSESS THE MUSIC BUT IT WILL NOT CUT OFF THE POWER IF THE PRESET LEVEL IS MET.

ACTIVE- ALLOWS THE UNIT TO MONITOR THE MUSIC AND THE POWER WILL BE CUT OFF IF THE PRESET LEVEL IS MET.

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TERMINAL CONNECTIONS

MAIN PANEL CONNECTIONS:

M1 - MICROPHONE +
M2 - MICROPHONE - (EARTH/SCREEN)

ENSURE SCREENED MICROPHONE CABLE IS USED TO CONNECT MIC TO M1 AND M2

NOTE: ON BOARD RELAY CONNECTIONS (J & K) CAN BE REGARDED AS AN ON/OFF SWITCH (I.E. WHEN UNIT DISPLAYS GREEN OK LED, CONTACTS ARE CLOSED, WHEN RED OFF LED IS DISPLAYED CONTACTS ARE OPEN CIRCUIT.

THE UNIT MUST BE POWERED UP AND THE MIC MUST BE CONNECTED TO ENSURE STEADY GREEN OK LED. OTHERWISE J - K IS OPEN CIRCUIT).

J - ON BOARD RELAY NORMALLY OPEN (WHEN UNIT IS NOT POWERED UP)

K - ON BOARD RELAY COMMON

J-K - IS USED TO SWITCH THE 30 AMP RELAY COIL / CONTACTOR COIL OR OTHER DEVICE DEPENDING ON INSTALLATION REQUIREMENTS.

NOTE: CONNECTIONS A-D ARE LOW VOLTAGE DRIVE OUTPUTS ONLY, AND ARE CONNECTED TO CORRESPONDING CONNECTIONS ON REMOTE LIGHT DISPLAY IF FITTED.

A - TRAFFIC LIGHTS 0 VOLT (COMMON)

B - TRAFFIC LIGHTS RED CHANNEL

C - TRAFFIC LIGHTS YELLOW CHANNEL

D - TRAFFIC LIGHTS GREEN CHANNEL

FA1 - FIRE ALARM + 24V DC INPUT FROM ANY EXISTING FIRE ALARM SYSTEM (USUALLY NEAREST BELL OR SIREN)

FA3 - FIRE ALARM NEGATIVE INPUT

P1 - EARTH

P2/P2A AND P3/P3A ARE 18V AC INPUT/OUTPUT CONNECTIONS FROM TXI SECONDARY MAINS TRANSFORMER. THE 18V AC AVAILABLE AT THESE CONNECTORS IS ALSO USED TO POWER LOW VOLTAGE AUXILIARY PANELS OR DEVICES. IE. REMOTE RELAYS ETC.

RELAY PANEL CONNECTION.

J - CONNECTS TO J ON MAIN BOARD. (ALREADY CONNECTED)

K - CONNECTS TO K ON MAIN BOARD (ALREADY CONNECTED)

P2 - CONNECTS TO P2 ON MAIN BOARD (ALREADY CONNECTED)

P3 - CONNECTS TO P3 ON MAIN BOARD (ALREADY CONNECTED)

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2CN1 30 AMP INPUT CONNECTOR:

L - 240 VOLT AC SUPPLY INPUT LIVE.
N - 240 VOLT AC SUPPLY INPUT NEUTRAL
E - INPUT EARTH.

NOTE: IT IS RECOMMENDED THAT THE SUPPLY TO CNI IS TAKEN FROM A SEPARATE 30 AMP ELCB/RCCD IN THE ON SITE CONSUMER UNIT.

2CN2 30 AMP OUTPUT CONNECTOR:

L - 240 VOLT AC CONTROLLED OUTPUT LIVE.
N - 240 VOLT AC CONTROLLED OUTPUT NEUTRAL
E - OUTPUT EARTH.

2CN3: LIVE, NEUTRAL AND EARTH CONNECTIONS TO TX I PRIMARY. (ALREADY CONNECTED)

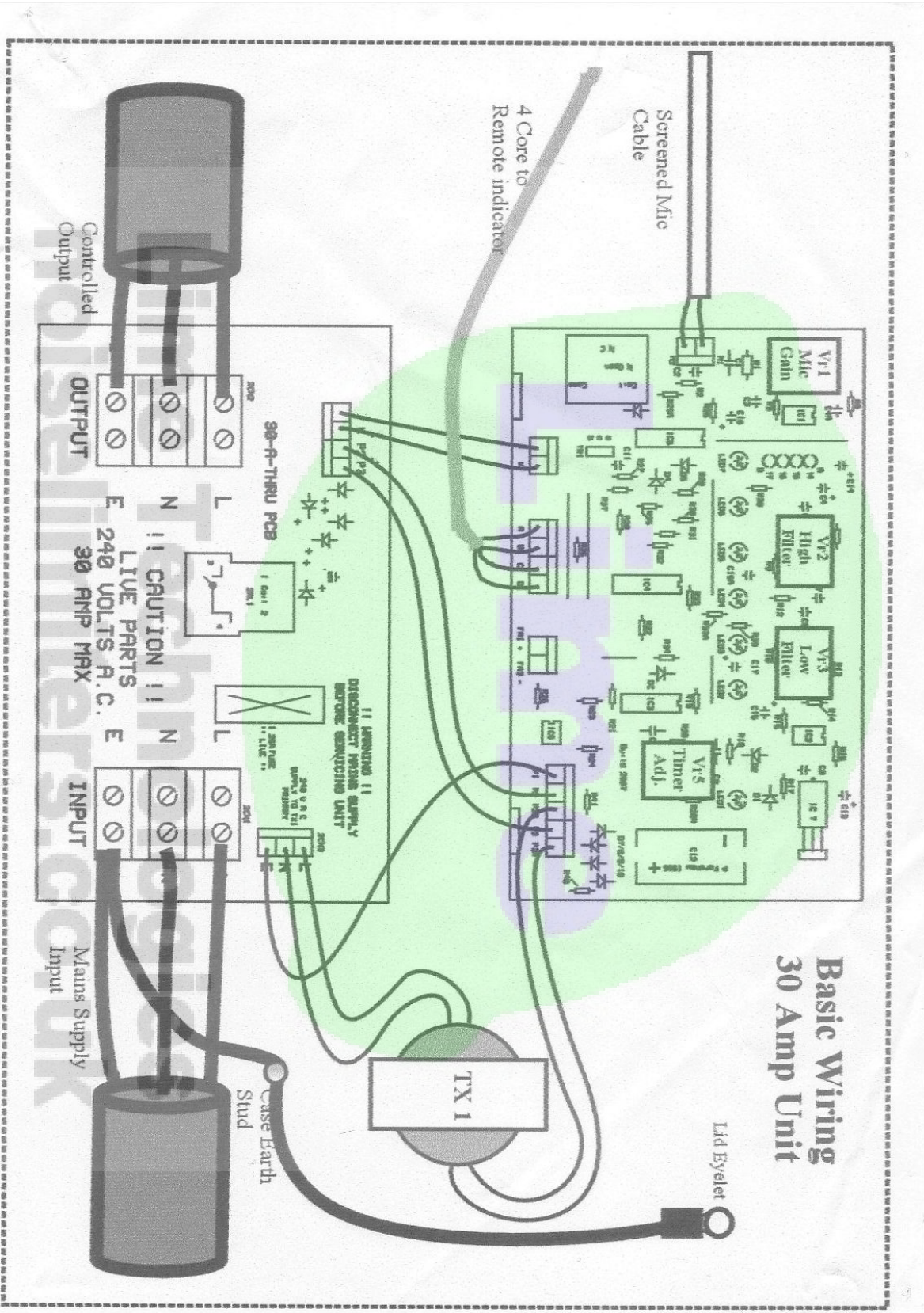
TRAFFIC LIGHT REMOTE DISPLAY:

A, B, C, D CONNECT TO CORRESPONDING CONNECTORS ON MAIN PANEL (240 VOLT AC MAINS POWERED DISPLAYS SHOULD BE SUPPLIED VIA 5 AMP SWITCHED SPUR OR SIMILAR TO EURO CONNECTOR, LOW VOLTAGE CONNECTIONS, A, B, C, D STILL CONNECT TO A, B, C, D RESPECTIVELY ON MAIN PANEL)

THIS UNIT IS TO BE INSTALLED BY QUALIFIED PERSONS ONLY. ALL WIRING SHOULD CONFORM TO CURRENT REGULATIONS. ALL EARTH CONNECTIONS SHOULD BE MADE AND TESTED BEFORE USE. DISCONNECT SUPPLY BEFORE SERVICING.

Additional comprehensive installation and calibration instructions are supplied with the SL2000 Sound Limiter Kit and the Plug and Play Noise Limiter.

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Basic Wiring 30 Amp Unit