

NPC30A

Noise Pollution Control System

Item ref: 952.801UK

User Manual

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 LEDs may flash before returning to the OK indication LED. This unit is now ready for adjustment.

Adjustment

VR-1 (the overall microphone gain) should be adjusted* accordingly to determine the desired decibel (dB) level required to trigger the unit.

Fine Adjustment

VR-2 high filter adjustment - this should be adjusted* if you require more or less sensitivity to high frequencies, eg. vocals, etc.

VR-3 low filter adjustment - this should be adjusted* if you require more or less sensitivity to low frequencies, eg. bass.

*Adjustment:

Anti clockwise = less sensitive, Clockwise = more sensitive

VR-5 timer adjustment - this is normally set to 1 - 1.5 second intervals giving an overall time of approximately 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 = cut off, 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 for the time you have pre-set and then it will reset.

Keyswitch

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 but will cut off the power if the preset level is met.

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 and K) can be regarded as an On/Off switch (i.e. when unit displays green ON 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** = 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 +24Vdc 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 18Vac input/output connections from TX1 secondary mains transformer. The 18Vac available at these connectors is also used to power low voltage auxiliary panels or devices, eg. remote relays, etc.

RELAY PANEL CONNECTIONS

- 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)

2CN1 30 AMP CONNECTOR

- L** = 24Vac supply input LIVE
- N** = 240Vac supply input NEUTRAL
- E** = input EARTH

Note: It is recommended that the supply to CN1 is taken from a separate 30 amp ELCB/RCCD in the on site consumer unit.

2CN2 30 AMP OUTPUT CONNECTOR

- L** = 240Vac controlled output LIVE
- N** = 240Vac controlled output NEUTRAL
- E** = output EARTH

2CN3: Live, neutral and earth connections to TX1 primary (already connected).

TRAFFIC LIGHT REMOTE DISPLAY (952.804UK)

A, B, C, D connect to corresponding connectors on main panel (240Vac 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).

