

## OPERATION & INSTALLATION MANUAL

### Operation

The LTS1500PR series is a 100Watt siren system designed for emergency applications. It is operated by a remote controller that can be mounted close to the operator. All the basic functions are self explanatory, with an ON/OFF switch, red status LED and a mode switch for selecting PA, WAIL, YELP and MIX sounds, with the option of radio rebroadcast, and the extra feature of remote Mode change function (via the vehicles horn button or a dedicated momentary action switch).

With the rotary switch in PA position the unit is in Public Address mode, when the siren is in the ON position. WAIL, YELP and MIX modes will give their respective mode of operation.

### Remote sound selection mode of operation

If the unit is to be operated in the remote activation and remote sound selection mode then the Remote activation input must be connected to ground via a suitable switch or relay, and a +12 volt momentary pulse has to be supplied to the remote sound selection input this can be achieved by connecting the wire from the remote sound selection input to the +12volt supply side of the vehicles horn, when the remote activation input is supplied with a ground connection the siren will be put into this mode and hitting the horn button on the vehicles steering wheel will make the sound alternate between WAIL and YELP, if the mode selection switch on the remote controller is in the PA position, if the rotary switch is in the WAIL position the siren will alternate between WAIL and MIX, if the rotary switch is in the YELP position then the sound will alternate between YELP and MIX sounds. Alternatively the same mode of operation can be achieved by supplying the +12 volt pulse to the remote sound selection input via a suitable momentary contact foot switch or a spring loaded momentary action toggle switch.

### Hardware Mounting

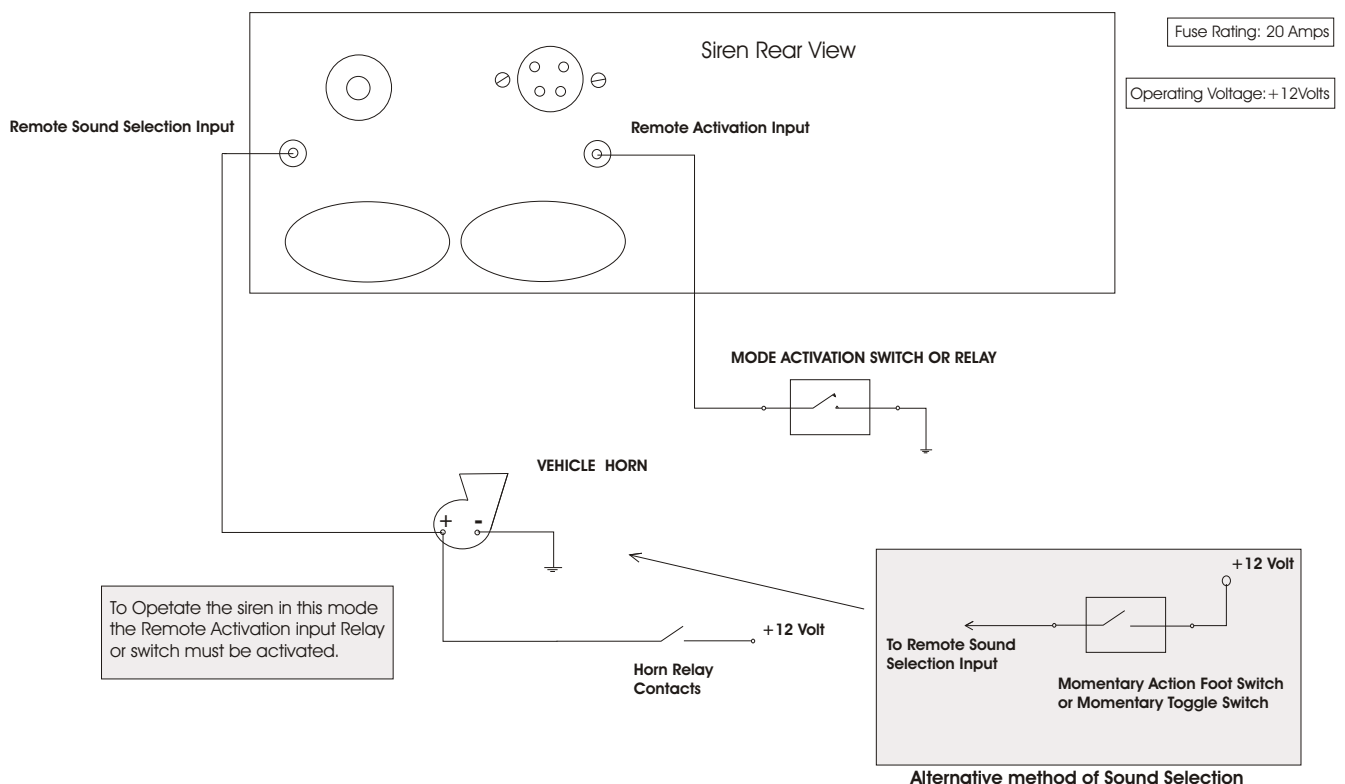
The unit can be mounted under a seat or in a suitable position inside cabin of the vehicle. During normal operation the amplifier box can generate some heat and careful consideration must be given to this by not mounting the unit close to other objects that would prevent the flow of air around the unit. The remote controller can be mounted near the operator on a part of the dashboard or the centre console area of the cabin.

### Electrical Connections

The system has basically five connections. 1: Remote control connector, 2:Power connector, 3:Speaker connector, 4:Remote sound selection, 5:Remote activation.

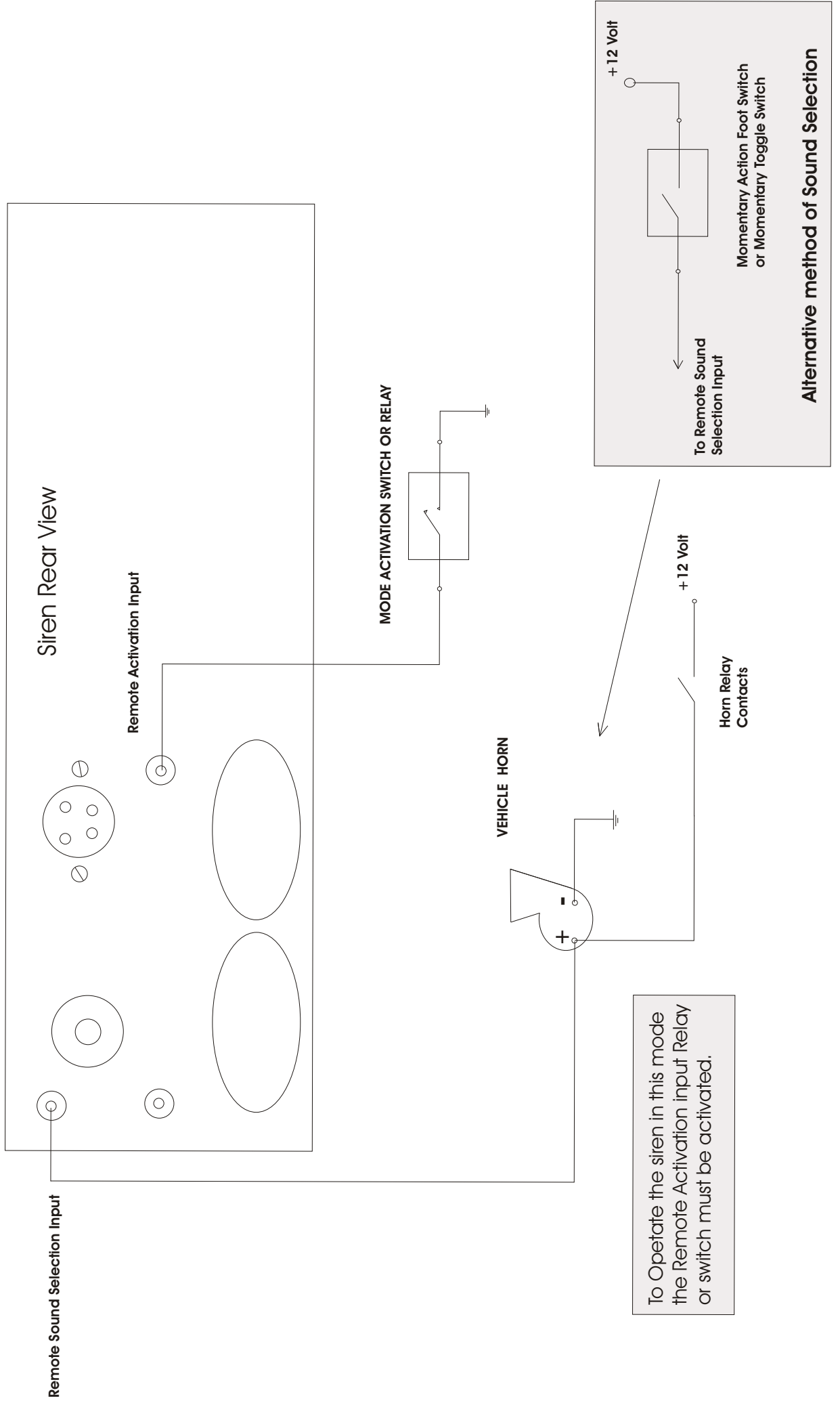
The remote to siren box lead has a D9 type 9 pin (Male) connector, at each end of the lead, the screws on the connector must be screwed into the hex type nut on the panel mount D9 (Female) connector on the remote and siren box.

The power lead is left with bare ends to allow for a suitable type of connector to be used (ie: spade type auto connector) The speaker lead has a 4 pin connector, The Remote sound selection lead has a RED RCA connector and the Remote Activation lead is BLACK with RCA connector.



Fuse Rating: 20 Amps

Operating Voltage: +12Volts



To Operate the siren in this mode the Remote Activation input Relay or switch must be activated.

Alternative method of Sound Selection