

## Explosion-proof Telephone/ Beacon/ Siren

The LAK6/7 is an explosion proof xenon discharge tube based beacon which emits intense pulses of light when initiated.



Both LAK 6 and 7 are fitted with multiple tubes to improve integrity. (LAK6 dual tube, LAK7 quad tube). Either variant may be fitted with optional 'T' module and/or 'S' module.

Inclusion of 'T' module allows the beacon to be initiated from a telephone line ringing voltage via an optically coupled switch. Terminals on the 'T' module facilitate telephone line "loop through" to obviate external junction box requirements. The 'T' module accepts a range of line ringing voltage levels/cadences and galvanic isolation is guaranteed between beacon supply and telephone line by encapsulated optical coupling.

Inclusion of the 'S' module allows connection of an external explosion horn which issues a strident calling tone when ring voltage is detected by the 'T' module.

Timing electronics within the 'T' module auto shuts off both beacon and horn siren (when fitted) once the respective telephone receiver is taken off the hook and ring voltage is removed from the line by the exchange.

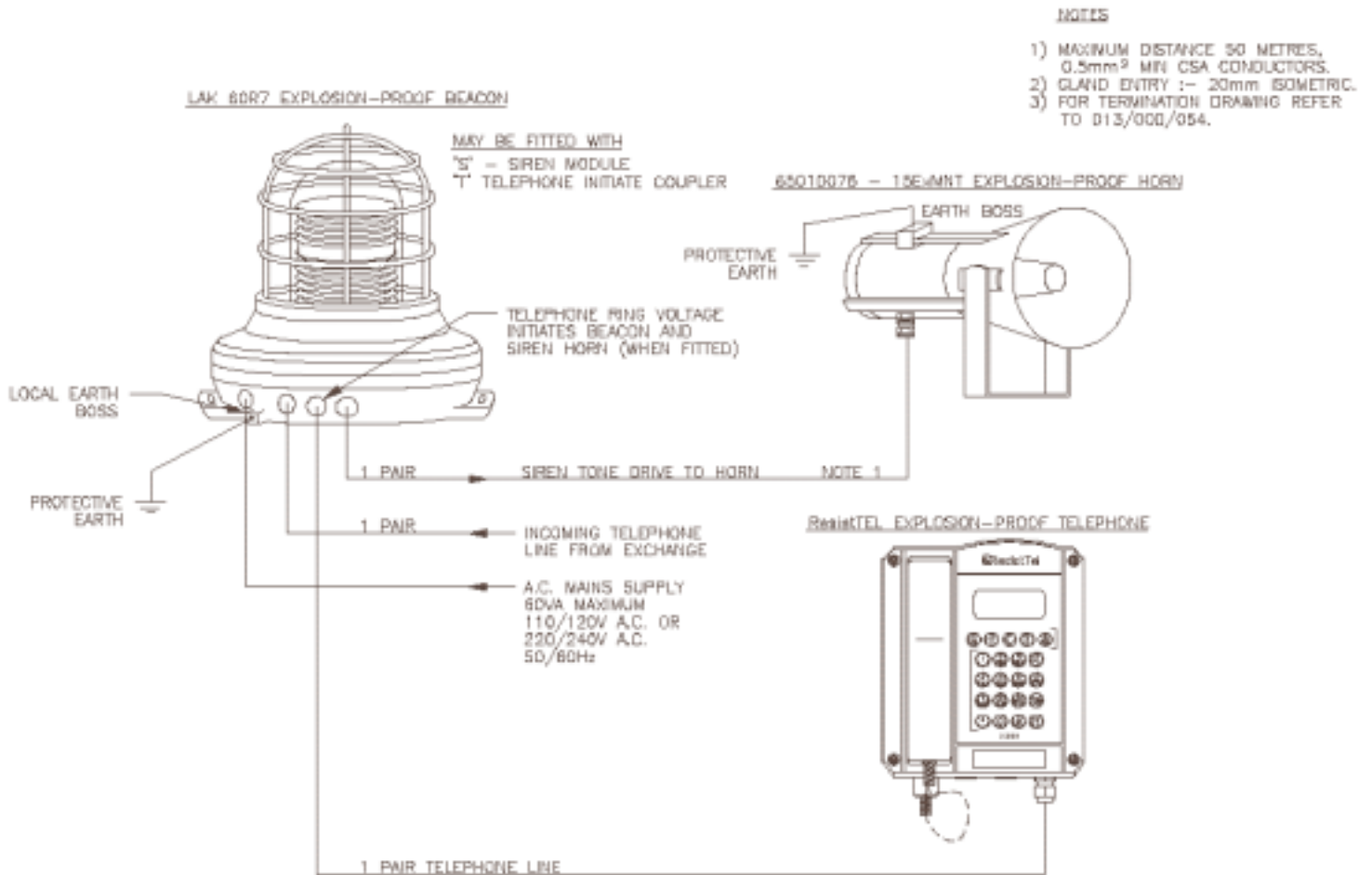
Reference data sheets  
PM0124 Explosion proof telephone  
PM0026 Explosion proof horn  
PM0019 Explosion proof beacon

### Key Features & Benefits

- ◆ Loop through termination eliminates external junction boxes, which reduces installation/maintenance costs.
- ◆ Supplementary high power horn – audibility in high noise areas.
- ◆ Multiple flash tube assembly – security and high visibility.
- ◆ Tolerant operating electrical parameters – enables correct operation with a wide range of ringing voltages / cadences.



## System Schematic



### NOTES

- 1) MAXIMUM DISTANCE 50 METRES, 0.5mm<sup>2</sup> MIN CSA CONDUCTORS.
- 2) GLAND ENTRY :- 20mm ISOMETRIC.
- 3) FOR TERMINATION DRAWING REFER TO D13/000/054.

## Interconnection

