



Standard Installation Practice for SAIDSA Intruder Alarm System Installations (Wired)

SAIDSA members are required to comply with the Minimum Installation Standard for all installations

1. The control panel, radio, antenna and transformer must be in a protected area.
2. Minimum signals i.e. burglary and panic must be monitored separately.
3. All detection zones to use end-of-line or double end-of-line resistors and must be correctly terminated.
4. All detectors must be screwed down. Glue or double-sided tape is not permitted.
5. The mains transformer must be a minimum of 30VA. The cable from the transformer to the control panel must have a minimum core diameter of 0.5mm. (Cabletyre or Ripcord)
6. The standby battery must have a minimum capacity of 7.0 aH and be of the sealed type or have a minimum standby time of 6 hours for any part of the system.
7. A maximum of 2 (two) electronic detection devices may be connected on a zone, except in zone doubling, then 1 electronic detector only on each zone.
8. A maximum of 5 (five) magnetic contacts may be connected on a zone, except in zone doubling, then 1 magnetic contact only on each zone.
9. All joints must be soldered and insulated or in a junction box.
10. The radio transmitter and antenna must be correctly mounted to manufacturers specifications. The DC power cable from the Radio transmitter to the control panel to have a minimum core diameter of 0.5mm. (Cabletyre or Ripcord)
11. Where ceiling access is possible, the control panel, Radio transmitter and Antenna must be mounted at least 1.5 metres below the ceiling or in a location that does not leave the panel vulnerable to tampering. Control panels, radios, antennas, transformers and batteries may not be installed in the ceiling void. The control panel, radio and antenna may not be mounted less than 1,5 metres away from an external window and must not be visible from the outside.
12. Detector lenses must be suitably fixed in such a way as to prohibit their easy removal from the outside of the housing.
13. Cables to the Radio, Antenna or telephone must be wired below the ceiling.
14. The control panel housing and electronic detection devices e.g. PIR, glassbreak, etc. must be tamperprotected on a 24 hour zone in retail, commercial, industrial or high risk domestic installations. Wiring of electronic detectors may not use a common negative cable.
15. All cables that are vulnerable to corrosion and damage as well as external wiring must be suitably protected or placed in conduit.
16. All zones must be multi-shot.
17. The control panel must have a minimum 128 event log.
18. Mechanical keyswitches, Car batteries and Shuntlocks (cut-out switches) are not permitted.
19. Commercial, Industrial, Retail and high risk domestic installations must have dual monitoring.
20. All equipment must be installed to manufacturers specifications.