

Loop alarm system

Loop alarm systems offer a practical and affordable solution to protecting goods on display in various types of retail outlet, and can also be effectively employed in many other environments, including; protecting items in training or demonstration rooms, exhibition halls, etc.

Our systems include 'battery' and 'mains / battery' powered loop alarm controller models and are available with a host of practical accessories for maximum convenience and effectiveness.

Battery powered units operate from a standard PP3 type alkaline battery (supplied) which will typically offer 3-6 months operation from a fresh battery, whilst mains operated models incorporate a re-chargeable battery which maintains alarm integrity in the event of any form of power failure or interruption.

The alarm system

The main components of the loop alarm system are the control unit and the alarm loop which together form a complete electrical circuit. The alarm loop is formed by connecting one or more lengths of loop alarm cable to the cable input and

output connector points on the control unit. The cable loop could be a single piece of cable with connectors at each end,



LD SIOR



LD SLR1

however, for practicality and convenience it will typically be made up of multiple cable segments plugged together up to a maximum of 50 metres length. In addition to a simple loop, our system also allows the incorporation of in-line cable segments fitted with various forms of micro-switch sensors (e.g. aerial connector) or 'bond on' style sensors such as the limpet attachment or tab attachment.

The control unit

The unit incorporates a powerful oscillating 120 decibel siren which is armed / disarmed via an integral key-switch. Once the system is armed, any attempt to remove protected goods (e.g. by cutting / disconnecting the alarm cable(s), removing sensor attachments from the protected equipment,) will result in the siren sounding, which can only be silenced via the key-switch.

Protecting the equipment

Where the item to be protected incorporates a natural handle or bracket (e.g. kettle-jugs, domestic irons, flashlights,) the loop cable can simply be passed through the handle, or bracket and both ends of the cable connected to the alarm control unit. Once the system is armed via the key-switch, any attempt to remove an item by unplugging the loop or cutting the cable will trigger the alarm. For items which do not offer a convenient natural cable trap and therefore



LD SA/1

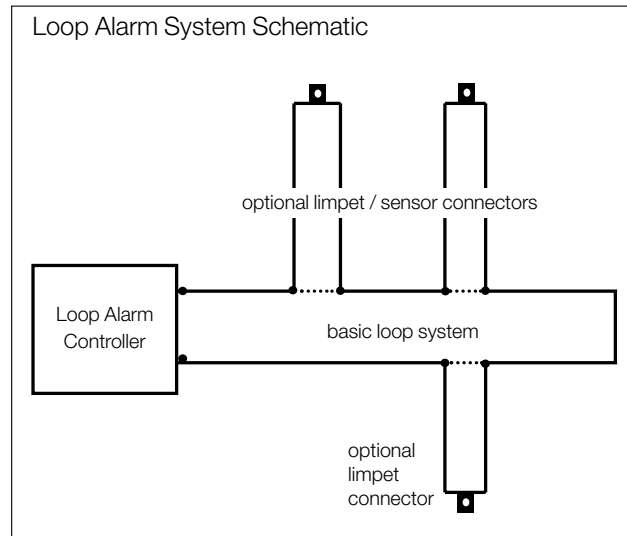


LD SAR/1

ALARMS

cannot be alarmed via the standard alarm loop cable, our range of specialist in-line sensor attachments simply plug in to the loop cable as if they were a standard extension cable and provide a practical solution.

The limpet attachment bonds to the item to be protected with an adhesive pad. When bonded in place, a microswitch on the underside of the unit is depressed, forming the circuit. If the limpet attachment is removed from the item whilst the alarm is armed the microswitch is released instantly triggering the alarm. The tab connector offers similar functionality but is designed for use on contoured surfaces where use of the limpet attachment is not feasible. Once applied, the tab connector forms a circuit, however should the tab be ripped off, the part of the circuit incorporated within the adhesive layer will be broken, triggering the alarm. Other fittings such as the aerial and phono attachments incorporate a microswitch which is armed simply by plugging the sensor attachment into the appropriate type of socket on a TV, VCR, music centre, etc. Cleverly these sensor attachments also act as in-line connectors, thus allowing operational use of the sockets to which they are connected.



prod refs

- LD S10R** Battery powered loop alarm controller
- LD S10RP** Hi-power battery powered loop alarm controller
(Hi-power model required where tab attachment cables used)
- LD S10RPM** Hi-power mains/battery powered loop alarm controller
- LD SLR/1/(/2)** Loop alarm cable (phono to phono)
1 (or 2) metre extension
- LD SA/1** Limpet attachment sensor cable
- LD SAR/1** Aerial attachment sensor cable
- LD SPH/1** Phono attachment sensor cable
- LD STB/1** Tab attachment sensor cable (with tab) spare tabs available
- LD PCD** PC 'D' connector (microswitch)
- LD SDR/1** Drill chuck attachment sensor cable
- LD STAB/10** Replacement tabs for use with LD STB/1 (100 pack)
- LD SW1/1** Replacement adhesive pads for use with LD SA/1 (100 pack)



LD SPH/1



LD PCD



LD STB/1



LD SDR/1

VERSATRACK track & loop alarm system

Versatrack offers all the functionality of our standard loop alarm systems, combined with the added benefits of a track based system. It can be used as a mains or battery powered system. In mains mode, the internal re-chargeable backup battery maintains alarm integrity in the event of a power failure / interruption. In battery operation mode (which may be preferred where a convenient mains power point is not readily available) the alarm will operate from its re-chargeable battery for up to 2 months between charging cycles.

The keypad controlled system incorporates many advanced and unique features that make it both effective and easy to use. Visual feedback in the form of coloured LED indicators allow instant identification of the compromised unit in the event that the alarm is triggered, warn of low battery status where appropriate and also provide confirmation of actions when in set-up or change mode. It offers a practical and affordable solution to protecting goods on display in almost any type of retail outlet, and is also suitable for use in other environments, i.e. training / demonstration rooms, or exhibition halls.

The keypad controller eliminates the need to issue physical keys to staff and is designed to store two separate PIN numbers – a 'manager code' and 'staff code'. Either code can be used to silence and reset the alarm if it has been triggered, however for security reasons, certain functions

such as; system setup, adding additional alarm components to the system, disabling the alarm, or changing the staff or manager codes, can only be carried out by using the manager code. Where multiple alarm systems are in use, all units can be set up to use the same codes if preferred, and either manager or staff code can be quickly and easily changed on any of the units at any time.

The control unit

The robust metal housed control unit incorporates a powerful oscillating 120 decibel siren and features 3 coloured LED indicators to provide instant visual feedback on alarm status or verification of actions. Once armed any attempt to tamper with the system, to cut or unplug the alarm cables, or remove sensor attachments (where used) from protected items, will trigger the alarm which can only be silenced by keying in the manager or staff PIN code.

Using the loop alarm / track system

The main components of the loop and track system are the loop extension cable segments which plug together and which can as with our standard loop alarm system, be passed through an appropriate aperture on an item (e.g. kettle jug handle) to protect it, and special junction strip track sections which are plugged together via the loop cable segments. Each track section accommodates the connection of up to 8 sensor



LD SS/AR1



LD SS/PH1



LD SS/EL1



LD SS/PCD

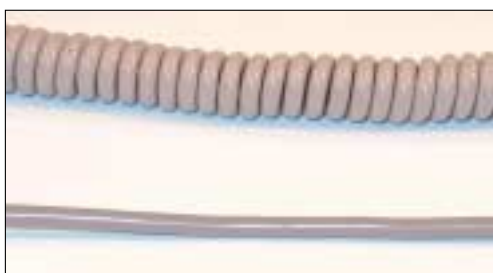
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above (from top left); loop cable (2 metre) , keypad operated alarm controller, strobe light, 8 way junction strip, sensor cables (drill attachment, tab connector, limpet connector)

cables (various types available) which can be used to alarm items which cannot be alarmed with the simple loop cable. Connection of the sensor cables to the track is via a standard 3.5mm jack plug with a red LED indicator next to the track socket providing visual feedback on the status of the item connected to that socket. For practical reasons we recommend that the cable loop be no more than 50 metres in length and no more than 8 of the 8 way junction strips be incorporated into the circuit.

Various forms of micro-switch activated or 'bond on' style sensor cables are available for use with the system including; limpet attachment, tab connector, aerial connector, phono connector, eye loop cable, drill attachment, etc. Sensor cables are available at a small extra cost in curly cable format which keeps cables tidier in some circumstances.



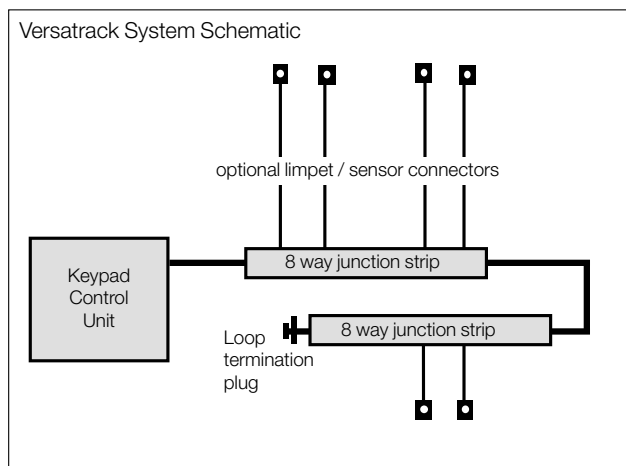
above: curly style cable
below: straight style cable

prod refs

- LD SSK/N1** Keypad control/alarm with re-chargeable battery and PSU
- LD SS/NJ8** 8 way junction strip with individual indicators
- LD SCL/1/(/2 /3)** Loop extension cable (RJ6) 1 metre (2mtr or 3mtr)
- LD SS/STB/1** Remote flashing strobe for use with keypad controller
- LD SS/A1** Limpet sensor cable (straight cable /CC option)
- LD SS/TB1** Tab connector cable (straight cable /CC option)
- LD SS/AR1** Aerial connector cable (straight cable /CC option)
- LD SS/PH1** Phono connector cable (straight cable /CC option)
- LD SS/PCD** PC 'D' connector (microswitch)
- LD SS/DR1** Drill chuck connector cable (straight cable /CC option)
- LD SS/EL1** Eye loop connector cable (straight cable /CC option)

note for curly cable option on above, add '/CC' suffix to product code

- LD SW1/1** Replacement adhesives for limpet sensor cable (100 pads)
- LD STAB/10** Replacement tabs for tab connector cable (100 tabs)



The multi-core cable and loop termination plug form the loop circuit in the Versatrack system, so only one end of the loop cable is connected to the keypad control unit

COMPAL portable alarm system

Cost effective, flexible protection for goods and equipment. The Compal simply plugs into any 13amp power socket, no hard wiring, no installation cost, simple to move when equipment is temporarily or permanently relocated. The ideal unit for protecting equipment on display or in use at exhibitions, in reception areas and training rooms.

This versatile self contained alarm system protects up to 10 individual items of equipment against theft. It is also a five socket 13amp extension lead with full power surge protection making it ideal for use with PCs and other sensitive electronic equipment. Protect equipment either by plugging the power cord in to one of Compals power sockets or via optional sensor cables which attach to the equipment and plug into the special sockets on the front of the Compal. Once all equipment to be protected is connected to the Compal, the alarm is armed via the integral key-switch. Any attempt to switch the power off or disconnect any of the protected items triggers the alarm's piercing siren. The rechargeable backup battery maintains alarm integrity for up to 48 hours in the event of a power interruption, while intelligent circuitry prevents the alarm being triggered by a power cut.



Compal alarm



Optical sensor cables

prod refs

- LA CMPL** COMPAL alarm – rechargeable battery and two of 'type 1' sensor cables included
- LA CPSC1** Sensor cable (type 1) – capstan limpet – universal fixing bonds to any flat surface
- LA CPSC2** Sensor cable (type 2) – PC 'D' connector – suitable for use with PC sockets
- LA CPSC3** Sensor cable (type 3) – TV or video – in line aerial connection
- LA CPSC4** Sensor cable (type 4) – universal tab fixing – replaceable tabs bond to most surfaces
- LA CPSC4T** Tabs (for cable type 4) – replacement tabs for use with sensor cable type 4