Multiguard

The MULTIGUARD 2000-6 is a general purpose six zone annunciator. The enclosure design is such that virtually any system size can be met by stacking units together.

To cater for the many different requirements of the emergency alarm market the Multiguard is supplied in a number of different guises, each of which offers a remarkable degree of flexibility.

Possible uses for the Multiguard are Perimeter Protection Systems, Personal Attack Monitoring, Fire Exit Door Monitoring (e.g. EXITGUARDs) and Nurse Call Systems. There are also many other applications in the field of process monitoring such as Deep Freeze Alarms

Where applicable zone isolation is achieved by throwing the keyswitch (not shown in the photograph below) to a preselect position, selecting the zones to be isolated with the individual pushbuttons Z1 to Z6 then restoring the keyswitch to its normal position.

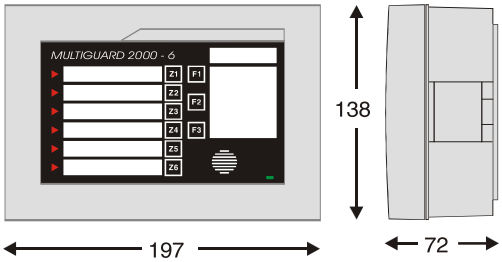
- 12v dc powered or Integral PSU & Battery Option
- Integral Piezo Sounder
- Open or Closed Circuits Inputs
- Global Silence & Reset
- Zone Reset & Isolate versions
- D.P.C.O Global Output Relay
- Lamp Test Option
- Nurse Call Version with Late Attendance & Emergency Re-Call
- Total Flexibilty
- Custom Designed Case
- Unique Labelling System

	MG212100	MG212000	MG222000	MG216100	MG216000	MG216110	MG216010	MG226000	MG311100	MG311000	MG02000P	MG030000
	Master	Extender	Repeater for MG212 / MG311	Master	Extender	Master	Extender	Repeater for MG216	Nurse Call Master	Nurse Call Extender	LED Driver	Sounder Driver
No of Zones	6	6	6	6	6	6	6	6	6	6	6 + 6 + 2	6
Silence Button	Global	Global	Global	1 per zone	1 per Zone	1 per zone	1 per zone	1 per zone	Global	Global	N/A	N/A
Reset Button	Global	Global	Global						At remote	At remote	N/A	N/A
Zone Isolate	No	No	No	No	No	Keyswitch Preselect	Keyswitch Preselect	No	No	No	N/A	N/A
Integral PSU	12vdc 200ma	No	No	12vdc 200ma	No	12vdc 200ma	No	No	12vdc 200ma	No	No	No
Battery	12v 0.8Ahr	No	No	12v 0.8Ahr	No	12v 0.8Ahr	No	No	12v 0.8Ahr	No	No	No
Keyswitch	No	No	No	No	No	Yes	Yes	No	No	No	No	No
Output Relay	Global DPCO	Global DPCO	No	Global DPCO	Global DPCO	Global DPCO	Global DPCO	No	Global DPCO	Global DPCO	No	1 per zone
Lamp Test	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	N/A	N/A

If your requirements cannot be met by standard six zone indicators we can design and manufacture indicators of almost any size, shape and appearance based upon MULTIGUARD technology. This can even be mimic diagramatic panels for at-a-glance indication.

Contact us for a quotation.

Dimensions (mm)



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Made in UK

Specification cont'd

MG222000, MG226000 Repeaters.

It is often necessary to repeat indications at remote locations. Each Multiguard master is equipped with a serial output to enable data to be sent to a number of repeaters simultaneously. Each Multiguard master with an integral power supply can support up to three repeaters. If more than three repeat locations are needed then an external power supply should be used at the master. Because data is sent out serially to the repeaters a reduced number of cable cores are needed. If indication only is required with no control functions then a five core cable will suffice (an extra 3 cores are needed for each block of six zones) If control functions are used then extra cores will be required, (consult our technical department for details).

Multiguard repeaters are identical in appearance and user functions to master units. Repeaters can be fitted with keyswitches in the same way as master units for isolation or other purposes.

MULTIGUARD Options

A keyswitch MG000010 can be added to any Multiguard not already fitted with one. The keyswitch is a two position with double pole changeover contacts. If a keyswitch is used for isolation purposes then only the second pole is available for an alternative use. This is obviously restricted to functions that are coincidental with isolation.

Two interface cards are available to enable Multiguard annunciators to drive external equipment.

The MG020000 uses serial data from a master unit to provide up to 16 outputs capable of switching up to 500ma per zone (subject to psu limit). Six outputs follow the annunciator LEDs. Six further outputs switch on alarm condition and restore on reset. Two outputs follow the integral sounder and global relay. Two outputs are not nominated. These cards will fit into the Multiguard back box as shown. Dimensions 135 x 67 x 15 (mm)

The MG030000 takes the serial data from a master unit to provide six relay outputs with voltage free DPCO contacts (1A/30vdc resistive). The activation of these relay outputs is dependant upon the software configuration of the master unit. These cards are often used to interface with CCTV multiplexers. The cards must be housed separately. Power requirement 12vdc 70ma. Dimensions 142 x 110 x 15 (mm)

MG311000 Nurse Call annunciators.

The principle of operation is similar to the Multiguard general purpose annunciators. There is a SILENCE button F1 but no reset button or isolate facilities are fitted. Integral power supplies are NOT usually fitted to these versions as extra power is needed for call points and overdoor lights etc.. .

The control logic is non-latching. When a call is made an audible warning is given by an integral piezo sounder and the relevant zone LED flashes. The sounder can be silenced at the panel but must be reset at the call point.

Nurse call annunciators have facilities for Late Attendance indication. When a late attendance condition is generated the Multiguard emits an interrupted pulsed tone accompanied by an interrupted flashing LED for the relevant zone. Similar but continuous pulsed signals are used for Emergency Re-call. Signals are graded - late attendance takes priority over standard calls and emergency re-call take priority over late attendance. Manual and Electronic Call Points can be used on the same installation. However, late attendance and emergency re-call are only possible with electronic call points.

Nurse Call Items.

S1760PR is a manual latching call point with re-assurance LED's.

Pressing the button generates the call, pressing again resets it. The latching button can also be used to illuminate an overdoor indicator (see below). It is designed for either surface or flush mounting on a standard single gang electrical box.

The S1663P is an advanced electronic call point capable of standard and emergency recall. It is also generates a late attendance signal. Calls are also reset at these points. Pillow Pushes or Ceiling Pull-Cords may be connected to Electronic Call Points. When a call is generated a late attendance timer is activated. If the call is not attended to and reset within a predetermined period (adjustable on installation at each call point between 30 seconds and 2 1/2 minutes) a late attendance alarm is generated at the panel. An emergency re-call can be generated at any time by pressing both the reassurance LED and the re-call button simultaneously at the call point. An output is available from the call point for overdoor or corridor indicators.

The S1600 ceiling mounted pull cord is a non latching device with hi-hrightness re-assurance LED. It can only be used with the S1663P electronic call point as part of a Multiguard nurse call system.

The S1631 pillow push is supplied with 2m of cable. It is a non latching device with a normally open contact that closes when pressed. It can only be used with an S1663P electronic call point as part of a Multiguard nurse call system.

S1736PR is an overdoor or corridor indicator. When used in a Multiguard nurse call system it derives its power from either a manual or electronic call point. It is designed for either surface or flush mounting on a standard single gang electrical box.

The EXITGUARD uses a nine digit keypad for both control and programming. The tone of the high power integral alarm can be selected to distinguish it from other alarms. The alarm can be silenced and reset using a four digit code or the EXITGUARD can re-arm automatically after a preset delay once the door has been closed. Separate Door Open Too Long (DOTL) delays can be set for Code Reset and Auto Reset modes. There is also a Bleep In Off option and Chime facility.

There are a number of different models including key switch versions to suit various applications: