

Product overview

AlarmLine / Light™



General description:

AlarmLine and Alarm-Light are two powerful remote- and surveillance/alarm products from BD Consult, via a very secure and intelligent way, uses the GSM SMS service for transferring alarms and remote control commands.

The products are targeting surveillance of industrial machinery, electrician, agriculture, alarm / surveillance management companies and much more, where it is only your own imagination which set the limits.

The fact, that users of the AlarmLine/Light concept can use their standard GSM Mobile, for receiving alarms and surveillance information and for general remote control, opens for many new powerful usable areas.

The products are for instance used to remote control watering machinery, heating in summerhouses, door control, water pumps, electricity contacts, oil burner for car heating, for surveillance and alarm reporting from water wells, automats, elevators, air-conditionings, as house alarm systems, connected with PLC's and much more.

Both products distinguish themselves by being very flexible with lots of set-up possibilities, nevertheless easy to use and to set-up, due to its logical construction.

During the development of these products, we have been focussing very much on security and on alarm receiver registering and verification, so that an alarm will be delivered fast and secure. The AlarmLine/Light products, can for instance register if an alarm message is received and acknowledged by the receiver, transmit the alarm message to alternative receivers (users), if the alarmLine/Light products do not receive any receiver acknowledgement within a certain period. Previous receivers of the same alarm message, furthermore get information about, who has acknowledged the concerned alarm. This feature is very useful, and gives optimal surveillance security for the concerned alarm, and for the connected installation or application.

Alarms, transmitted via SMS, are presented to the user as free programmable text messages (the customer decide himself the text), which can be individual, depending on the activated input, and dependent on the status for the concerned input as being active or inactive (logical 1 or 0). Typical alarm messages for AlarmLine/Light connected to a water level detector, could be 2 different text messages such as: "At BD Consult A/S – ALARM – Water level in room 2 too high" and "At BD Consult A/S – Normal water level in room 2"

It is easy to remote control equipments connected to AlarmLine / Light. This is simply done by sending an easily understandable text message as a SMS message to the AlarmLine / Light. You can, easily define the text messages used as commands for remote controls. For instance if you decide to use the text command "WARM" to switch on the heating in your summerhouse, and the text "COLD" to switch off the heating, everybody can manage such an application on remote without problems, only using a standard GSM mobile.

The user, or the users, can at any time via an SMS message request the actual status, which is then directly send from the AlarmLine or Alarm-Light.

The AlarmLine differs from Alarm-Light by having more inputs and outputs capabilities, combined with much more advanced features. AlarmLine has 12 inputs and 5 outputs, where the Alarm-Light includes 2 inputs and 2 outputs.

Alarm-Light differs from AlarmLine on other areas of use, as it is possible to combine GSM Data via a RS232 connection, together with the powerful SMS Alarm/surveillance and remote control functions, as described earlier. This can for instance be used together with PLC's (industry, windmills) where an alarm can be send, even if the main or power disappears and the PLC's then breaks down. Outputs can for instance in such a situation be used to restart the application on remote.

AlarmLine and Alarm-Light includes the following specification:

AlarmLine™	Alarm-Light™
<ul style="list-style-type: none"> ✓ 12 inputs. ✓ 5 outputs. ✓ Sends individual SMS messages when an input is triggered. ✓ SMS messages are programmable, up to 63 characters per input and per level (high/low). ✓ Up to 12 different receivers/phone numbers or users, to receive alarm/surveillance information and performing remote control functions (Standard 6, optional +6). ✓ Transmits alarms as SMS, E-mail, as Alarm tones via speech channel to the fixed phone net or to mobiles, as data or in the alarm format Scancom. (Data/Scancom are optional). ✓ Can demand the receiver to acknowledge the alarm, alternative transmit the alarm to alternative receivers. ✓ Up to 8 sequences per input, each describing how an alarm should be send. For instance an alarm can firstly be send as SMS to Mobile no. 1, if acknowledgement is missing, then send the alarm to mobile no. 2. If acknowledgement still is missing, the alarm could be send to the Public telephone net (PSTN) as alarm tones which need to be acknowledged. As standard, 4 programmable sequences are open. ✓ Outputs can be turned on or off, sending SMS commands from standard GSM mobiles. ✓ Users can request complete and actual status information, delivered as a SMS message. ✓ It is only "known" users, who can remote control functions, and request status information. ✓ External battery module as option. ✓ Transmits alarms if the power supply disappears, when the battery is nearly empty, and when the power supply is re-established. ✓ Can be used as a standard house alarm, with: <ul style="list-style-type: none"> ○ Partial zones, ex. entry zone. ○ Programmable Pre-alarm (output 4) ○ Horn alarm as output 5 ✓ Connection for microphone, loudspeaker – ex. for intercom, room tapping/bugging etc. (optional) ✓ 12 VDC (12 to 17 V), 230VAC adaptor included. ✓ Din Rail box, outer dim.: 175 x 98 x 60 mm. ✓ As 2 variants (GSM Dual Band): <ul style="list-style-type: none"> - For direct installation of SIM-card. - For installation of standard Ericsson mobile. 	<ul style="list-style-type: none"> ✓ 2 inputs. ✓ 2 outputs. ✓ Combine SMS Alarm/surveillance and SMS remote control, with GSM data / GPRS via RS232 connection (optional). ✓ Sends individual SMS messages when an input is triggered. ✓ SMS messages are programmable, up to 31 characters per input and per level (high/low). ✓ Up to 2 different receivers/phone numbers or users, to receive alarm/surveillance information and performing remote control functions ✓ Transmits alarms as SMS, E-mail, data or in the alarm format Scancom. (Data/Scancom are optional). ✓ Can demand the receiver to acknowledges the alarm, alternative transmit the alarm to alternative receivers. ✓ 2 sequences per input, each describing how an alarm should be send. For instance an alarm can firstly be send as SMS to Mobile no. 1, if acknowledgement is missing, then send the alarm to mobile no. 2. ✓ Outputs can be turned on or off, sending SMS commands from standard GSM mobiles. ✓ Users can request complete and actual status information, delivered as a SMS message. ✓ It is only "known" users, who can remote control functions, and request status information. ✓ Directly connectable to standard lead battery, where Alarm-Light charge and maintain the battery. Transmits alarms if the power supply disappears, when the battery is nearly empty, and when the power supply is re-established. ✓ Flexible power supply, from 8 to 30 VDC, with the opportunities for automobile, truck and ships uses etc. 230VAC power adaptor included.. ✓ Dimension: 66 x 136 x 31 mm. ✓ GSM Dual Band phase 2+ ✓ Directly for Sim-Card insertion.

Patent pending: WO0241278