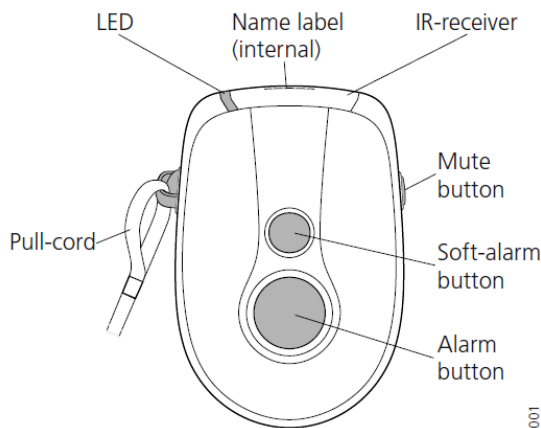


<b>TITLE</b>	<b>Science Operations Centre (SOC)- Man Down Alarm Unit ASCOM a51</b>
<b>ISSUED BY</b>	CSIRO Astronomy & Space Science
<b>APPLICATION</b>	Marsfield SOC- Staff members and SOC Users.
<b>AUTHORISATION</b>	Authorised users in SOC especially after hours
<b>HAZARDS</b>	<ul style="list-style-type: none"> <li>- Working alone</li> <li>- Injury from incident</li> <li>- Unauthorised Intruder</li> <li>- Distresses situation</li> <li>- Electrical</li> </ul>
<b>PERSONAL PROTECTIVE EQUIPMENT (PPE)</b>	<ul style="list-style-type: none"> <li>- IP Phones</li> <li>- Analogue Phone ( 02 9876 2484)</li> <li>- Man Down Alarm unit ASCOM a51- <b>Unit 19</b></li> </ul>
<b>DEFINITIONS</b>	
Insert definitions if required	
<b>INSTRUCTIONS</b>	
 <p style="text-align: right; margin-right: 50px;">100</p>	
<p><i>Figure 1. Ascom a51 Alarm Transmitter.</i></p>	
<ol style="list-style-type: none"> <li>1. Read the Quick Reference Guide for ASCOM a51 Alarm Transmitter (see below)</li> <li>2. Check LED light is Green steady; indicating status - Battery Ok &amp; All alarms active</li> </ol>	

In case of an emergency situation, do the following:

Alarm

1. Press the Alarm push button twice or more
2. Depending on the set parameters a beep is heard, the green light LED flashes once and the vibrator starts to confirm that the alarm has been sent.
3. Alarm signal sent to Central Monitoring Services Pty Ltd (Tel 02 9809 9244). Their Control Room will call the designated telephone numbers for verification. If required Control Room will contact Emergency Services.

**FURTHER INFORMATION**

**Eg References**

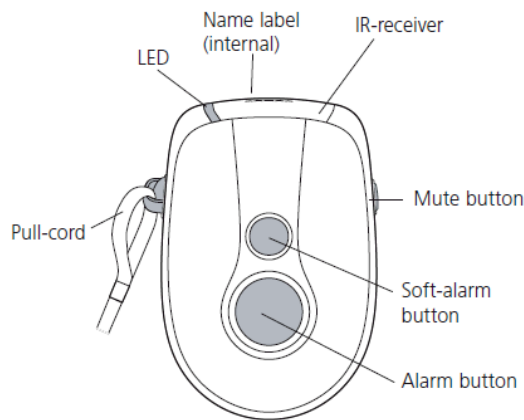
Quick Reference Guide for ASCOM a51 Alarm Transmitter (see below)

**APPENDICES**

Attach documents as necessary

**APPROVALS**

<b>Version 1</b>	<b>Title</b>	<b>Name</b>	<b>Date</b>
Cleared by:	HSE Officer	Chee Kong Looi	16 Aug 2013
Reviewed by:	CASS Head of Science Operations	Phil Edwards	16 Aug 2013



## Product presentation

GB

The Ascocom a51 is a robust Alarm Transmitter with an internal antenna. It has two alarm buttons (Alarm and Soft-alarm), a Pull-cord alarm, vibrator alert and a mute button. Make sure to read the entire document before using the product.

Functions	Basic	Advanced
Push-button alarms	X	X
Pull-cord alarm	X	X
Vibrator alert	X	X
Man-down & No-movement alarm	-	X
Acoustic Location Signal (ALS)	-	X
Location function (IR and LF)	-	X
Battery check function	X	X

### Show status of the Alarm Transmitter

LED	Status
Green steady:*	Battery OK, all alarms active
Green slow flashing:*	Battery OK, Man-down/No-movement alarm deactive.
Red fast flashing:*	Low battery indication
Red steady:	Fatal error
Orange flashing:	Charging

\*Press and hold the Mute button to see the status.

## Basic operation

**Note:** Your Alarm Transmitter can have functions other than described here, depending on the pre-programmed parameters.

### Switch the Alarm Transmitter On/Off

Insert/remove the battery.

### Identity

It is possible to identify the unit via a parameter programmed on the SIM. The internal name label is possible to use for own means of identification. See also "Replace the name label" in the Service and Maintenance section.

### Mute the beep/vibrator/LED signal

Press the Mute button.

### Charge the battery

A beep signal played once each 10 s. during one minute and a fast flashing red LED shows a low battery. Place the Alarm Transmitter in a single charger or a wall mounted charging rack. If a charging rack is used for charging, just insert the Alarm Transmitter without opening the clip, to make it faster securely. Be sure to hear a beep and see the LED charging indication when inserting the Alarm Transmitter in the charging rack.

A flashing orange LED indicates charging. A green steady LED shows a fully charged battery. This takes approximately two hours.

**Note:** Check the battery status every time you start to use the Alarm Transmitter. It is recommended that the Alarm Transmitter is charged daily. This is even more important when the Alarm Transmitter is used in temperatures below 0° C.

**Note:** While charging, the Alarm and Soft-alarm push buttons and the Pull-cord alarm are enabled. This means that, if existing, Man-down & No-movement alarms are automatically deactivated.

## Alarm functions

### Test alarm

Press the Alarm- or Soft-alarm button for at least one second.

**Note:** To test the Alarm Transmitter and the system, you should send a test alarm every day.

### Alarm

Press the Alarm push-button twice or more.

Depending on set parameters a beep is heard, the green LED flashes once and the vibrator starts to confirm that the alarm has been sent.

### Soft-alarm

Press the Soft-alarm push-button twice or more.

This alarm can be used as a request for discreet assistance.

Depending on set parameters, a beep/vibrator/LED signal confirms that the alarm has been sent.

### Pull-cord alarm

An alarm is sent when the Pull-cord is pulled off the Alarm Transmitter. The Pull-cord is also used as a security string.

Depending on set parameters, a beep /vibrator/ LED signal confirms that the alarm has been sent.

**Note:** Make sure that the clip of the Pull-cord is safely attached to your clothing. To make a test, remove the battery of the Alarm Transmitter, pull the Alarm Transmitter and make sure that the pull-cord releases first.

### Man-down & No-movement alarm

**Man-down alarm:** The Alarm Transmitter is tilted more than 55° for a preset time, for example when falling.

**No-movement alarm:** Movement is not detected during a preset time.

Before the alarm is sent, the Alarm Transmitter enters a warning phase with a repeated warning signal.

Press the Mute button during this warning phase (default seven seconds) to prevent the alarm from being sent.

**Note:** If the parameter "Extra delay" is enabled, the detection of Man-down & No-movement alarm can be disabled for 10 minutes. When the warning signal sounds, press and hold the Mute button to delay the next warning signal 10 minutes.

Depending on set parameters, a beep/vibrator/LED signal confirms that the alarm has been sent.

**Note:** If enabled, the ramped up Acoustic Location Signal (ALS) is played after an alarm. Press the Mute button to turn the ALS off.

### Location function (IR or LF)

The location of the Alarm Transmitter, received via either infrared light (IR) or low frequency transmission (LF), is automatically sent along with an alarm.

**Note:** An Ascom a51 Alarm Transmitter with an IR-receiver must always be visible, never covered.

### Special Location

If the fixed locators are set to send a special location code, the Alarm Transmitter will send a location alarm directly after it has received the code.

### Deactivate/activate alarms

If this parameter is set, the Man-down & No-movement alarm can be turned off/on; Press twice on the Mute button. See also "Show status of the Alarm Transmitter".

**Note:** The Alarm and Soft-alarm push-buttons and the Pull-cord alarm are always enabled.

## Service and maintenance

### Troubleshooting

A beep/vibrator signal together with a red steady LED shows that a fatal error has occurred. Send the Alarm Transmitter for service.

### Replace the battery

Open the battery lid, exchange the battery and put the Alarm Transmitter in a charger.

### Replace the name label

Open the battery lid, replace the old name label with a new.

### Restore the clip release function

The clip has a special release function to prevent it from breaking when strained. When the clip is released and becomes slack, just snap it back with a hard press.

## Regulatory compliance statements

*USA and Canada only*

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the transmitting antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the transmitter is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Information to user

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### Modifications

Any modifications made to this device that is not approved by the supplier may void the authority granted to the user by FCC to operate the equipment.

## Accessories

**GB**

The following accessories are available for the Ascom a51 Alarm Transmitter:

- Leather case
- Swivel type clip
- Name label kit
- Single Charger
- Charging Rack

## Safety instructions

This product shall only be used with the following batteries:

P/N: 660089 Battery

Desktop chargers shall only be connected with power adapters supplied by the manufacturer.

Available power adapter:

P/N: FW7650/05 Power supply unit AC/5V DC/1A