

Tinytag Alarm Box

ACS-5000

Issue 5
25th October 2006
E&OE

The ACS-5000 Tinytag Alarm Box is designed for use with Tinytag Plus 2 and Tinyview data loggers to provide an audible warning when an alarm condition has been met.

The unit can be programmed to sound after a preset delay to enable work to be carried out in monitored areas without the alarm sounding.

A pair of volt free contacts within the unit allow an external device, such as SMS dialler, to be connected to the unit.

Popular Applications

- Medicine and Vaccine Storage
- Food Storage
- Cryogenics
- Museums and Art Galleries



Features

- High intensity audible sounder
- Works with temperature and humidity data loggers
- Programmable delay
- Two sets of volt free relay contacts for switching external devices
- Test button
- Low battery warning





Features

Sounds	A loud chirp every 2 seconds when the logger is reporting an alarm state.
Low Battery Warning	Three rapid chirps, once every minute.
Programmable Delay	1 second to 11 days (<i>see notes</i>)
Relay Contacts	Two.

Physical Specification

Operational Range	
Temperature	0°C to +55°C (-32°F to +131°F)
Relative Humidity	0 to 90% (non-condensing)
Case Dimensions	
Height	115mm / 4.53"
Width	105mm / 4.13"
Depth	33mm / 1.3"
Weight	230g / 8.11oz (<i>Including Battery</i>)
Cable Length	1.5m / 59.06"

Switched Output Specification:

Maximum voltage:	42V peak / 60V d.c.
Maximum current:	1A a.c. or d.c.

This equipment should only be interfaced to equipment which is powered by a Safety Extra Low Voltage Supply. The maximum voltage levels are to be 30V rms, 42V peak or 60V d.c. and separated from hazardous voltages by double or reinforced insulation. For the United States consider a Safety Extra Low Voltage Supply to be a Class 2 source as defined in the National Electrical Code.

Notes

Battery Type	9V Alkaline PP3, AM6, MN1604, 6LR61, 6F22 or equivalent.
Battery Life	Up to 2 years standby use, 5 days of continuous alarms.
Recommended Replacement Interval	Annually

A software tool is provided to enable users to set a programmed delay into the alarm unit.

The Clear Alarms button will clear any active latched alarms set in the logger.

The Test button will cause the alarm unit to chirp.

Approvals

This product is manufactured by Gemini Data Loggers (UK) Ltd to BS EN ISO9001:2000 (Certificate No. 6134).



Supported Units

The ACS-5000 Tinytag Alarm Box is suitable for use with the following data loggers:

Tinytag Plus 2:

TGP-4017	TGP-4020	TGP-4104
TGP-4204	TGP-4500	TGP-4510
TGP-4520		

Tinyview Plus:

TV-0020	TV-0050	TV-0073	TV-0076
TV-0104	TV-0204	TV-0304	TV-1500
TV-1501	TV-1505	TV-1506	TV-1510
TV-1515			

Required Products

To use the ACS-5000 Tinytag Alarm Box you will require one of the following cables:

CAB-0007: Tinytag/Tinyview Serial Download Cable

Or a

CAB-0007-USB: Tinytag/Tinyview USB Download Cable