

## CAB-0041 Alarm Output Lead for Plus LAN loggers User Information

### Warnings

- **THE CABLE AND CONNECTOR MUST NOT BE CONNECTED TO ANY VOLTAGE MORE THAN 50V AWAY FROM EARTH POTENTIAL, INCLUDING MAINS VOLTAGES!**
- **Maximum current through any pin = 200mA**
- **Maximum voltage on the Signal output (relative to G round) = 30V**
- **This equipment should be used within the temperature range and other environmental conditions specified on its product data sheet.**

### Introduction

Tinytag LAN data loggers have an external connection that changes state when the logger's alarms are active. This connection can be used to trigger devices such as an SMS Dialler or a purpose built indicator (light and/or sound etc.).

The loggers can also supply power to external devices.

An active alarm can be cancelled by pressing the mute button on the front of the logger (this will silence the logger's internal sounder and turn off the alarm output signal). If it is desirable for an external indication to remain until independently acknowledged, the signal should be latched on by external equipment.

If being used as part of a Tinytag Connect system, muting the alarm on the logger does not acknowledge or switch off the alarm indication in the Tinytag Explorer Connect software.

### Connection Information

The alarm connector has a signal line that changes state when alarms are active and a power output that can be used to power an external device.

The wiring connections for the are as follows:

Colour	Connection
Brown	Power
Green	Ground
White	Signal

Both the Power (brown) and Signal (white) outputs are protected by a 350mA self-resetting fuse.

### Signal Connection Specification

This is an open-drain output that is pulled to Ground when an alarm is active (otherwise it is open-circuit).

This output will continue to change state, in the event of an alarm, should the Power over Ethernet (PoE) supply to the logger fail.

### Signal Connection Specification

The power output is regulated at 11·5V ±0.5V from the PoE supply. The output voltage will therefore turn off if the PoE supply fails.

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