



Operating Manual

S0088 Event Counter - Din Rail



The S 0088 is an SD card based event counter/recorder, housed in a convenient DIN rail housing.

Events are recorded each time the trigger contacts are shorted, making it ideal for use with products which have a normally open (N/O) output which changes to a closed output on activation. Security products such as pressure mats, reed switches or PIR's are well suited for this application.

All power "ON" events are recorded to the supplied Micro SD card in time and date format, providing a record of any power failures. All "Event" triggers are recorded in time and date format to the Micro SD card.

A 24V DC output is provided with a normally closed (N/C) and a normally open (N/O) output. This may be used to run external systems such as a 24V buzzer or light. When this output becomes active, 24V will appear between the N/O contact and the GND contact. When this output is not active 24V will appear between the N/C contact and the GND.

This 24V DC output can be set to activate for every event or set to activate after a set amount of events, up to 10,000 events. The 24V DC output also has an adjustable "ON Time" delay which can be set between 0 sec and 10,000 milliseconds in 100 millisecond intervals.

The unit is powered by 24V DC via the supplied plugpack.

FEATURES

- Events triggered by closing contact
- Event time and date recorded
- Power "ON" time and date recorded
- 24V DC switched output
- Adjustable output "ON Time" delay
- Adjustable output "Event count"
- Battery Backup (Time only)
- Micro SD card supplied
- CR2032 backup battery supplied
- 24V DC operation
- Supplied with 24V DC plugpack
- Australian Made

APPLICATIONS

- Recording customer foot traffic
- Counting livestock through gates
- Recording "Alarm" conditions

CONNECTIONS

Figure 1 shows the layout of the S 0088.

POWER: The unit is powered by 24V DC, via the supplied 24V DC plugpack. Connection can be made via the 2.1mm DC jack or screw terminals. These two inputs are connected in parallel inside the unit, so either could be used as an input, while the other could be used as a 24V DC output to power another device.

TRIGGER: This contact is provided for remotely triggering the counter. A momentary short of the contact is required

24V DC OUTPUT: A 24V DC output is provided with a normally closed (N/C) and a normally open (N/O) output. This may be used to run external systems such as a 24V buzzer or light. When this output becomes active, 24V will appear between the N/O contact and the GND contact. When this output is not active 24V will appear between the N/C contact and the GND.

NOTE: This output is limited to 120mA current draw.

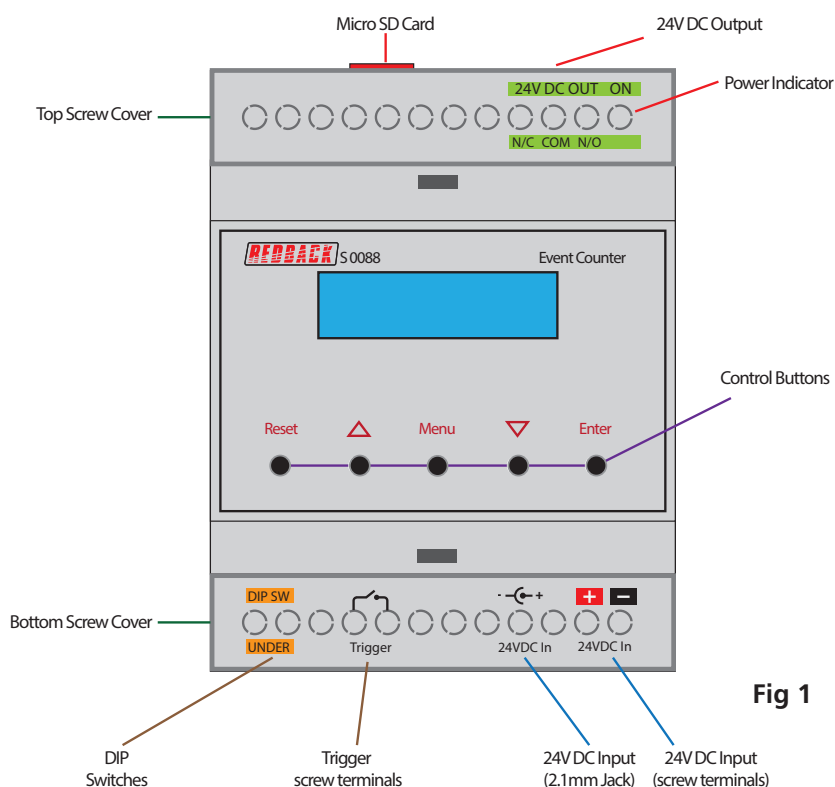


Fig 1

Redback® S 0088 Event Counter

MICRO SD CARD: This is removed by pushing it in and then releasing. The card should then pop out. The reverse procedure is required to insert the card. All the “Events” are recorder to this card. For more details see the SD card setup section.

DIP SWITCHES:

Switch 1 set to ON : Battery backup of time is enabled.
All other DIP switches not used.

SD CARD SETUP

For the unit to function correctly, the supplied Micro SD card must be installed.

The Micro SD card is used to record all the events which have been triggered and also any “Power UP” events. These events are recorded in a Time and Date format and saved to a text file on the card named “LIST.txt”. The file can then be read using a PC or laptop with any text editor such as microsoft word or notepad.

In order to read the file, the SD card will need to be connected to a PC. You will need a PC or laptop equipped with an Micro SD card reader to do this. If an Micro SD slot is not available then the Redback D 0371A USB Memory Card Reader or similar would be suitable (not supplied).

You will first need to remove power from the S 0088 and then remove the Micro SD card from the rear of the unit. To remove the Micro SD card push the card in and it will eject itself.

Step by step guide to view the “LIST.txt” file with a Windows installed PC.

Step 1: Make sure the PC is on and card reader connected and correctly installed. Then insert the Micro SD card into the reader.

Step 2: Go to “My Computer” or “This PC” and open the Micro SD card which is usually marked “Removable disk”.

In this case it is named “Removable disk (H:)”. Select the removable disk and then you should get a window that looks like figure 2.

Step 3: Open the LIST.txt file by double clicking the icon and you should get a window that looks like figure 3.

This file will list all the events in chronological order. Any time the unit is powered up, reset or triggered these events will be recorded and written to the “LIST.txt” file.

The Micro SD card can be removed from the PC following windows safe card removal procedures. Make sure the S 0088 is OFF and insert the Micro SD card into the slot in the top; it will click when fully inserted.

The S 0088 can now be switched back On.

IMPORTANT NOTE:
Ensure power is switched off when adjusting DIP switches.
New settings will be effective when power is switched back on.

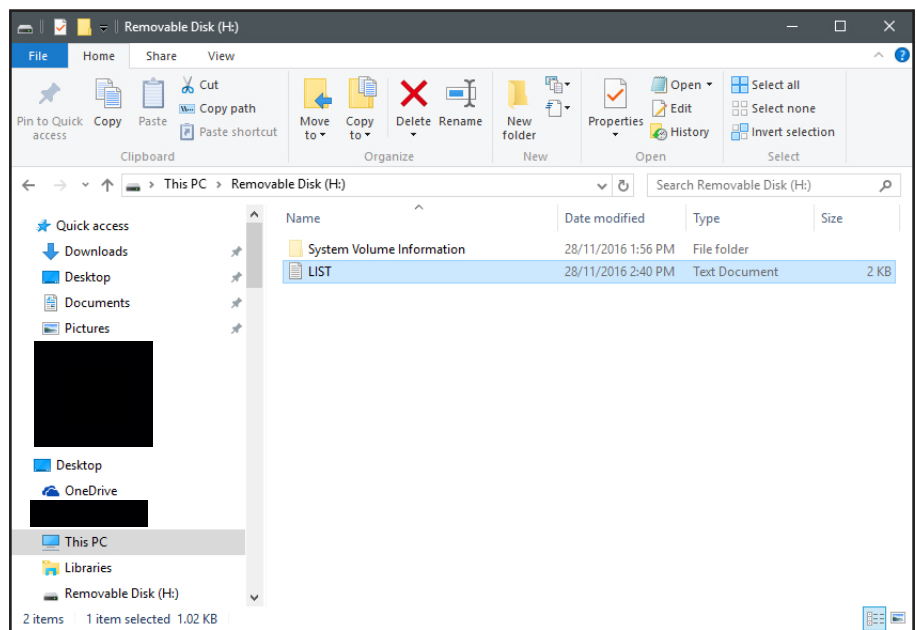


Fig 2

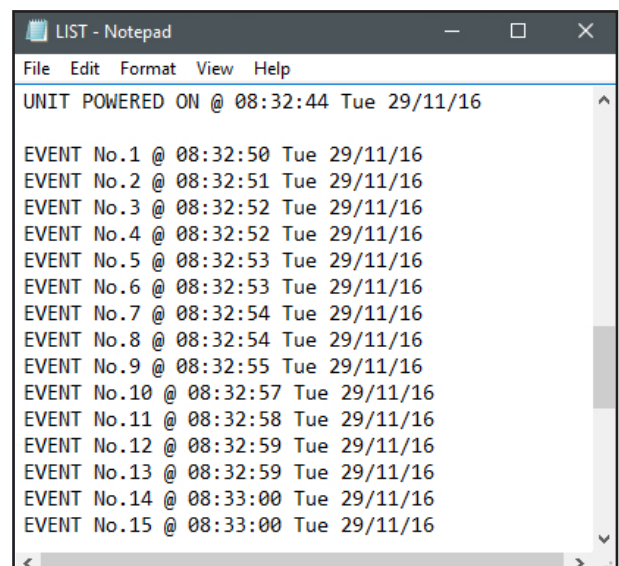


Fig 3