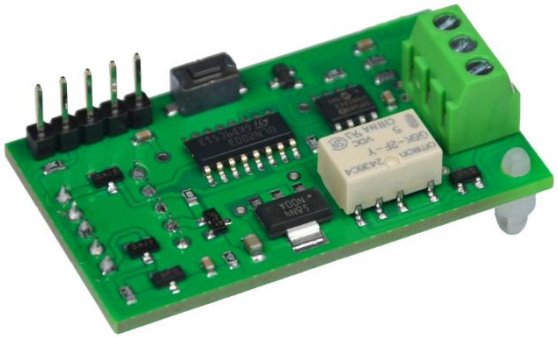
Swansons
never out of power

SM102-103

ALARM CARD WITH BATTERY MONITORING

Make sure the batteries in your battery backup work when the mains fails. With an alarm card you know the batteries are being charged and are in good condition before a mains failure occurs.

- ✓ **Battery fault alarm** – Load-tests the batteries regularly.
- ✓ **Charging voltage fault alarm** – The alarm card continuously checks that the charging voltage is correct.
- ✓ **Easy installation** – The card mounts on the connection board in the battery backup. No software or settings required.
- ✓ **Delayed mains failure alarm** – SM103 adds a delayed mains failure alarm (30 min).



Batteries	Charging	12-48 V	Changeover relay
MONITORED	VOLTAGE MONITORED	SUPPLY VOLTAGE	ALARM CONTACT

HOW IT WORKS

Every 15 minutes the alarm card disconnects the mains so the load runs on the batteries, and checks that the battery voltage stays at a good level. If the voltage drops during the test, the mains is reconnected without affecting your installation. The alarm card also continuously measures the charging voltage and raises an alarm if it is too low.
During battery operation you also get an alarm when the battery voltage starts to get low.

Compatible with

SM40 **SM3100**

Reliable operation

The alarm card ensures that charging from the rectifier works, that all wiring is connected, and that the batteries work and can be charged.

Full overview

The LED on the front of your battery backup turns red on mains failure and flashes in different sequences to indicate faults.

TECHNICAL OVERVIEW

Supply voltage SM102-103	**12–24 V DC**
Supply voltage SM102HV-103HV	**12–48 V DC**
Changeover alarm contact	**C–NC normal operation** **C–NO alarm state**
Alarm	**Charging voltage fault** **Battery fault** **Low battery voltage**
Mounting	**On the circuit board in the battery backup**
Approvals	**CE, RoHS, REACH**

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CHOOSE THE RIGHT MODEL

E-NUMBER	TYPE	VOLTAGE	DESCRIPTION	H×W×D (MM)
5256993	SM102 Alarm card	12–24 V DC	Charging voltage fault, Battery fault, Low battery voltage	48 × 26 × 13
5257995	SM102HV Alarm card	12–48 V DC	Charging voltage fault, Battery fault, Low battery voltage	48 × 26 × 13
5257994	SM103 Alarm card	12–24 V DC	Charging voltage fault, Battery fault, Low battery voltage, Delayed mains failure alarm 30 min	48 × 26 × 13
5257999	SM103HV Alarm card	12–48 V DC	Charging voltage fault, Battery fault, Low battery voltage, Delayed mains failure alarm 30 min	48 × 26 × 13

Not sure which model you need?

Contact us and we will help you choose the right model and accessories for your installation. Call **+46 (0)303-746 320** or email **info@swtm.se**.

Installation instructions and wiring diagram are provided in the separate SM102-103 manual.

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