

# Power Supply Module

## NTM2408-1

- **Uninterrupted power supply for devices with 24VDC, max. 8.4A**
- **Current-limited, short-circuit-protected output**
- **Monitoring of battery charging and internal resistance of the batteries**
- **Installation into wall-mount cabinet or 19" housing**
- **Status display at the housing front**
- **Complies with EN 54-4:2006**



### Description

The Power Supply Module NTM2408-1 serves for the safe supply of devices, which need a nominal voltage of 24VDC. The typical fields of application include fire detection systems and extinguishing controls or any other applications requiring a safe power supply.

The output voltage of the integrated switched-mode power supply is current-limited and short-circuit-protected.

The optional stand-by batteries guarantee an uninterrupted power supply in the event of a mains power fault. At a typical charging time of 24 hours, batteries with a maximum capacity of 220Ah can be charged. The integrated protection against total discharge and the temperature compensated battery charging are the basis for a long battery life.

The battery monitoring according to EN 54-4:2006 includes the periodical measurement of the battery voltage under load and the internal resistance of the battery. The integrated earth leakage monitoring of the module can be deactivated for special applications.

The module is designed for installation into a power supply housing. For that purpose, three different housings are available. At the front of the housing, seven light emitting diodes indicate the operation as well as possible causes of faults.

By means of the integrated test function, a functional check can be performed and the present value of the internal resistance of the battery can be read out. With that, the maintenance of power unit and batteries is especially easy and timesaving.

### Specifications

Operating voltage	230V +10/-20%, 47 – 63Hz
Output voltage	typ. 27.6VDC
Output current	max. 8.4A
Ambient temperature	-5°C to +50°C
Relative humidity	max. 95% (no condensation)
Dimensions L x W x D	290 x 220 x 70 (mm)
Weight	1.5kg
Approvals	VdS G208125 0786-CPD-20529
Order number	317021
Order name	Power Supply Module NTM2408-1



0786-CPD-20529



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## Power supply housings and accessories

The wall-mount cabinet NTG24-1 provides space for the power supply module as well as for the installation of 2 stand-by batteries with 12V/max. 45Ah, one Relay Module RL58-1 or RL58-2 and one Multi Module MEA244-1/E. In this case, the power supply module serves as power supply for the multi module and the loads that are actuated via the 4 outputs. Furthermore, via the inputs of the multi module, fault messages can be forwarded to the fire detection control panel. If required, further modules can be mounted in the cabinet door.

Thanks to the sophisticated design of the Power Supply Front Panel NTG24-1CE, it can be mounted either on a 19" pivoting frame or on the mounting plate of a switch cabinet. In both cases, the optional stand-by batteries are accommodated in the interior of the switch cabinet. In addition to the power supply module, the Power Supply Front Panel NTG24-1CE can also accommodate a Relay Module RL58-1 or RL58-2.

The Power Supply Housing NTG24-2 provides space for the power supply module as well as for the installation of 4 stand-by batteries with 12V/max. 85Ah, one Relay Module RL58-1 or RL58-2 and one Multi Module MEA244-1/E.

The Battery Bracket BK24-1 is used for installing stand-by batteries into the Power Supply Housing NTG24-2 or into a switch cabinet. The solid sheet steel console can accommodate either one battery with 12V/max. 85Ah or 2 batteries with 12V/max. 45Ah.



All housings are made of powder coated sheet steel. At the front of the housing, the built-in display and operating board allows the signalling of the most important operating conditions as well as the resetting of the in-

ternal buzzer.

The display and operating elements can be labelled in the respective national language by means of the supplied insertable labelling strips.

## Specifications

### Power Supply Housing NTG24-1

Protection class	IP30
Dimensions W x H x D	442 x 460 x 203 (mm)
Colour	grey white, RAL 9002
Weight without installations	approx. 7kg
Order number	317030
Order name	Power Supply Housing NTG24-1

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#### Power Supply Front Panel NTG24-1CE

Dimensions W x H x D	478 x 266 (6 HU) x 20 (mm) (without power supply module)
Colour	grey white, RAL 9002
Weight without installations	1.4kg
Order number	317031
Order name	Power Supply Front Panel NTG24-1CE

#### Power Supply Housing NTG24-2

Protection class	IP30
Dimensions W x H x D	800 x 1000 x 300 (mm)
Colour	light grey, RAL 7035
Weight without installations	approx. 65kg
Order number	317032
Order name	Power Supply Housing NTG24-2

#### Battery Bracket BK24-1

Dimensions W x H x D	370 x 195 x 209 (mm)
Material	steel sheet, zinc coated
Weight	1.8kg
Order number	317033
Order name	Battery Bracket BK24-1



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