



# Technical Datasheet

## UPS24

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## 1 Hardware Specifications

Housing	
Protection Rating	IP 20
Material	Plastic (PA12)
Color	RAL 6024
Dimensions (L x W x H)	130 x 94 x 61 mm
Weight	approx. 1000 g
Device Terminals	0.2 to 1.5 mm <sup>2</sup>
Electrical Data	
Input Voltage Range	24 V DC $\pm$ 10 %
Nominal Input Current	140 mA
Nominal Input Power	3.36 W
Nominal Output Voltage	24 V DC
Nominal Output Current	1.67 A
Nominal Output Power	40 W
Maximum Overload Current	2.5 A
Operating Temperature	+15°C to +40°C
Battery	
Nominal Voltage	12 V
Capacitance	1.2 Ah
Technology	Lead-Acid

## 2 Cabling

The UPS24 is provided with a pre-assembled cable.

### 3 Status and LEDs

The UPS24 has three LEDs which indicates the status of the system. Table 1 describes the different cases:

Status (Green)	Charging (Yellow)	Fault (Red)	
Off	Off	Off	UPS24 is Off
Blinking	Blinking	Off	UPS24 is charging
Blinking	On	Off	UPS24 is tickle charging
Blinking	Off	Off	UPS24 powers the 400 series device
Blinking	–	On	UPS24 is in a fault state. E.g. Battery not Connected, Battery Fault, Battery deep discharged or System Fault

Table 1: UPS24 Status and LEDs

### 4 Software Configuration in FC400

In the event of a power failure, the UPS24 can enable the FC400 to continue controlling in the current operating mode, change the operating mode or set the damper to a defined state. In the configuration software, either PC2500 or PC4500, the present and configurations values are available, they are shown in table 2. Power fail operation is signaled by a notification. For devices with function displays, the presence of a notification is indicated by the flashing of the alarm LED. Power fail operation can also be passed on via a relay function.

#### Continue controlling in the current Operating Mode

To continue controlling in the current operating mode, the *Damper mode in Power Fail* must be set to *Control* and *Opmode in Power Fail* to *Keep Current*.

#### Controlling in the Override Operating Mode

To continue control in Override mode, *Damper Mode in Power Fail* must be set to *Control* and *Opmode in Power Fail* to *Keep Current*.

#### Set Damper in a defined State

To set the damper blade to a defined state, *Damper Mode in Power Fail* must be set to the desired state. This deactivates the monitoring and alarming functionality.

Present Values		
Power State	Standby Power Operation	The device is in Power Fail mode and is supplied by the UPS24.
	Power Supply Operation	The device is in normal operation and supplied by its own power supply.
Battery Fault	Battery OK	The battery of the UPS24 is OK
	Battery Fault	The battery of the UPS24 is not OK
UPS Connected	Connected	A UPS24 is connected to the device
	Not Connected	No UPS24 is connected to the device
Configuration		
Opmode in Power Fail	Change to Override	Operating Mode changes to Override in case of a Power Fail
	Keep Current	Operating Mode does not change in case of a Power Fail
Dampermode in Power Fail	Stop (Freeze)	Damper stops operation and remains on current position
	Control	Normal operation. Damper mode is determined by the operating mode
	Close Completely	Damper closes completely
	Open Completely	Damper opens completely
	Actuator Limit High	Damper moves to position defined as Actuator Limit High
	Actuator Limit Low	Damper moves to position defined as Actuator Limit Low
	Modbus	Damper Control via Modbus Holding Register
Relay Function	Power Fail	The Relay is active if the device is in Power Fail mode

Table 2: FC400 Present Values and Configuration Values



The information and data contained in this documentation have been compiled to the best of our knowledge and in accordance with the current state of the art (subject to technical changes). The currently valid version applies. The proven properties of SCHNEIDER products are based on the use of the products recommended in this documentation. Diverging situations and individual cases are not taken into account, so that we cannot assume any warranty and liability.

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