

# SWITCHED POWER SUPPLY 24 Vdc 24 W

*Especific for Instrumentation*

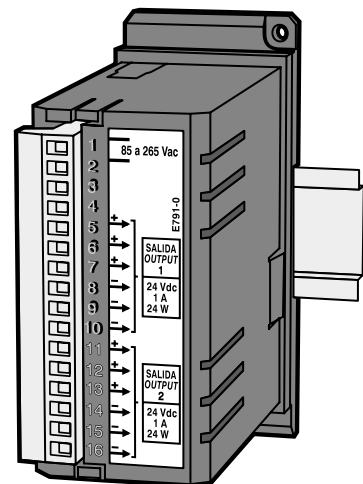
# FAC-24/1000

**Desin**  
Instruments

## DESCRIPTION

The FAC Series are switched power supply to powering stabilized direct current, designed for use in industrial instrumentation.

- UNIVERSAL MAINS 85 to 265 Vac
- STABILIZED 24 Vdc OUTPUT SUPPLY (ANOTHER VOLTAGES U/REQ.)
- TWO VERSIONS: 1A. SINGLE OUTPUT (24 W) or 1A. + 1 A. DUAL OUTPUT (48 W)
- SEVERAL LOADS CAN BE WIRED BY MEANS COMMON OUTPUT TERMINALS
- OVERLOAD OR SHORTCUT OUTPUT PROTECTION
- SURGE TRANSIENTS PROTECTION IN INPUT AND OUTPUTS
- LOW RIPPLEY RATE WITHOUT INTERFERENCES WITH OTHER DEVICES
- SIMMETRIC DIN GUIDE MOUNTING OR SCREWED IN END PANEL



*DIN guide*



## FEATURES

The FAC-24/1000 Series are independent power supply devices to powering control and measure instruments.

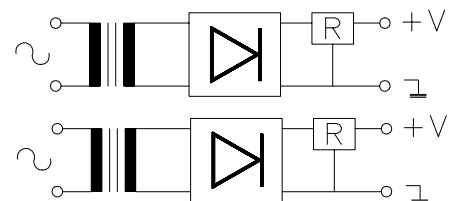
They are designed with high frequency switched voltage technology, allowing a high efficiency transformation with less thermal dissipation, an excellent stability and a smaller size.

The source FAC-24/1000 is given in two versions: Single output... /S or Double output ... /D.

The ... /D version has two independent 24 V outputs giving 1A each. The two output terminals can be linked to increase the given power (24 Vdc 2A) or the output voltage (48 Vdc 1 A.).

They also have common terminals outputs to wired several loads without sharing the same terminals.

The FAC-24/1000 power supply is designed to uses in control and measuring instrumentation, as well as Fieldbus, Profibus, Hart or 2-wire transmitters with remote powering.



MODELS	Output Voltage	Output Current
FAC-24/1000/S	24 Vdc, $\pm 0,2$ V	1000 mA
FAC-24/1000/D	2 x 24 Vdc, $\pm 0,2$ V	2 x 1000 mA



**130.04**

## SPECIFICATIONS

### INPUT

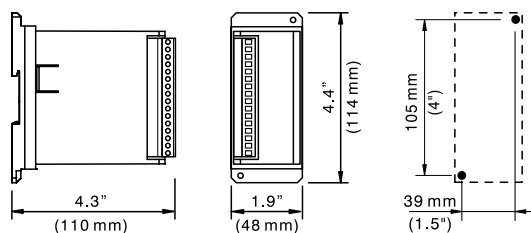
- Mains power: ..... 85 to 265 Vac  
(120 to 350 Vdc)
- Frequency ..... 47 to 63 Hz
- Input current: ..... 0,6 A (115 Vac 24 W)  
0,32 A (220 Vac 24 W)
- No load input current ..... 0,05 A
- dV/dt ..... 550 V/ms

### OUTPUTS

- Voltage output ..... 24 Vdc each
- Tolerance .....  $\pm 0,2$  V
- Current ..... 1000 mA per output
- Typical thermal drift: .....  $< 1,1$  mV/°C
- Drift Influences  
by input voltage ..... 0,5 % max.  
by output loading ..... 0,5 % max.
- Rippley ..... 0,5 % p-p max.
- Shortcut output protection: ..... included
- Input/Output insulating: ..... 1,5 kV
- Dielectric rigidity: .....  $> 100$  M $\Omega$   
to 1000 Vdc
- Working temperature: ..... 0 to 50 °C max.
- Storage temperature: ..... -20 to 70 °C
- Relative Humidity: ..... 20 to 90 % HR  
(no condensing)

MODELS	Output Voltage	Output Current
FAC-24/1000/S	24 Vdc, $\pm 0,2$ V	1000 mA
FAC-24/1000/D	2 x 24 Vdc, $\pm 0,2$ V	2 x 1000 mA

## DIMENSIONS



Weight: 335 g; with package 395 g

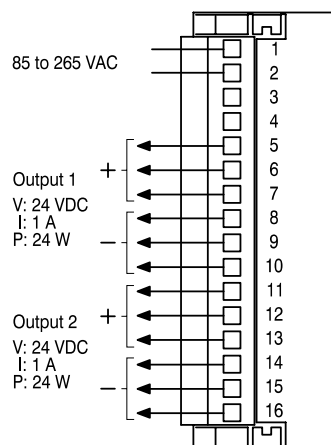
## HOW TO ORDER

- Mains supply:  
from 85 to 265 Vac standard voltage

### MODELS:

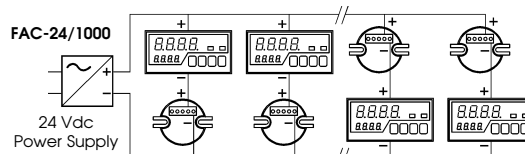
- **FAC-24/1000-S:** Single Output 24 Vdc / 1A.
- **FAC-24/1000-D:** Dual Output 24 Vdc / 1A. + 1A.

## WIRING DIAGRAM

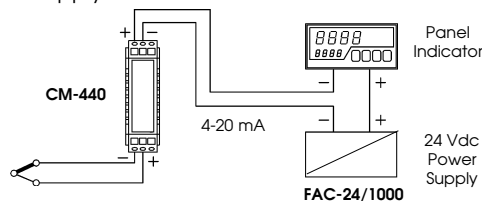


1	L	Mains supply 85 to 265 Vac, 47 to 63 Hz
2	N	
5	+V1	(+ of #1 Output (FAC-24-1000/S and /D)
6		
7		
8	- 1	(-) of #1 Output (FAC-24-1000/S and /D)
9		
10		
11	+V2	(+ of #2 Output (only FAC-24-1000/D)
12		
13		
14	- 2	(-) of #2 Output (only FAC-24-1000/D)
15		
16		

Several **CM-40** transmitters mounting using an alone **FAC-24/1000** power supply.



**CM-440** transmitters mounting using the **FAC-24/1000** power supply.



## APPLICATIONS

- Direct current powering to processes control and instrumentation
- Direct current powering to field transmitters and sensors to panel instrumentation
- Direct current powering of Relays and power controls
- Direct current powering of Low voltage mountings