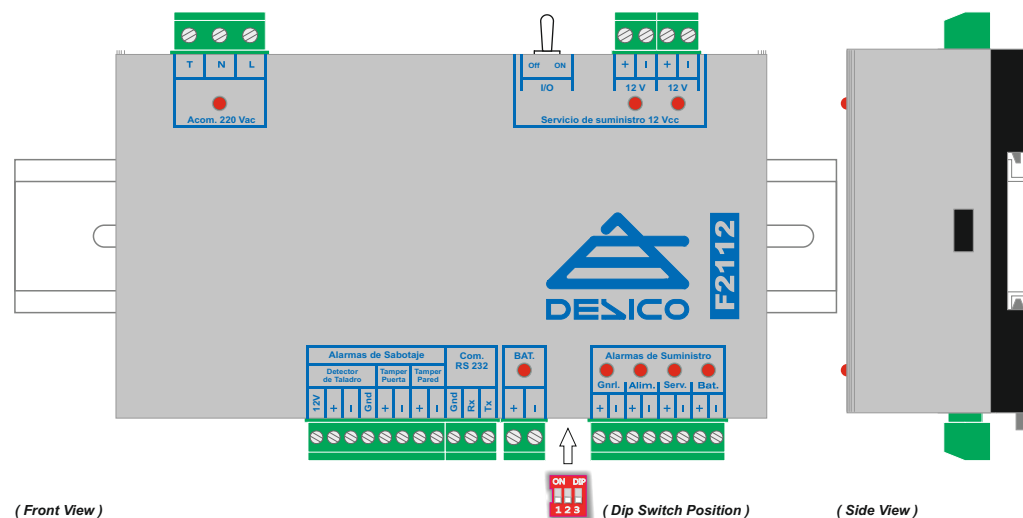


F2112 - POWER SUPPLY UNIT



POWER SUPPLY UNIT FEATURES

Input supply voltage 100VAC - 230VAC.
 Output voltage 12VDC.
 Maximum current supply 5A.
 Double output connector.
 Dedicated battery charge output.
 Output switch for 12V supply disable.
 Dedicated inputs for sabotage detection (tamper).
 Configurable Alarm outputs via dip-switch.
 Monitoring interface via Rs232 (using proprietary protocol).

CABLE AND CONNECTIONS CHARACTERISTICS

Terminal Connections

Pluggable Connectors Type (diam.max 1,5mm)

Bus Cable

Shielded twisted pair flexible cable. Cable section 0'35mm2. Low capacity type (40 + 50 pF/m)
 Typical RS232 distance (reducida): 15 mts.
 RS-232 to PC settings: 19200 Baud, 8bits, 1bit de stop, sin paridad.

TECHNICAL INSTALLATION CHARACTERISTICS

*It refers to the colloquial name of the output voltage,
 **It refers to a switch that could guarantee total voltage absence at connection terminals,
 ***It refers to a wall dismount detector.
 ****It requires a special device to be mounted on internal sides of mounting box.

Nominal input voltage: 100VAC - 230VAC/50Hz.
 Maximum consumption: 70W@230VAC a 25°C.
 Minimum performance: 84% ((Ps / Pl) * 100) pure resistive loads.
 Nominal output voltage: 13,65VDC, normalized a 12VDC*
 Battery charge: lead type in floating mode.
 Maximum output current: 3.5A + 1.5A for battery charge at 25°C.
 Weight: 360 grams.
 Dimensions: 156x106x44 millimetres
 Temperature range: -10 a +55 °C
 Relative humidity without condensation: < 93%
 Ambiantal class: type II (EN50131-1)
 Installation: DIN rail (35mm, simetr.)

INPUT / OUTPUT CONNECTIONS

Manipulation detection inputs:

(NC, Normally Closed.)

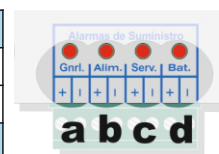
- 1.Door tamper input (NC free potential contact**)
- 2.Wall tamper input*** (NC free potential contact**)
- 3.Drill detector input****.

Alarm outputs:

With 4 opto-coupled configurable outputs (table 1) normally closed type:

- a. General supply alarm output (Mains 220VAC).
- b. Service supply output alarm (Output 12VDC).
- c. Manipulation alarm output (tamperers).
- d. Battery failure output alarm.

Connection settings	1	2	3
Manipulation Alarm [c+] with General Alarm [a-]	ON	off	off
Service alarm [b+] with Manipulation Alarm [c-]	off	ON	off
Battery Alarm [d+] with Service Alarm [b-]	off	off	ON



VISUAL INDICATORS

The F2112 power supply has 8 LED indicators for state monitoring functions, as shown in table 2:

LED state indicators				
		Apagado	Encendido	Flash
1	EPS	No voltage	230Vac supply	---
2	Output1	No voltage	With voltage	Low voltage or overload
3	Output2	No voltage	With voltage	Low voltage or overload
4	Battery	No voltage	Present	Battery test
5	General Sup. Alr.	OK	230vac failure	Internal failure
6	Service Sup. Arl.	OK	230vac failure	Failure at one output
7	Manipulation Alr.	OK	All tamper active	1 Tamper active
8	Battery Alr.	OK	Without battery or failure	Low battery voltage

