Art. 893N - 893N1 Regulated power supply

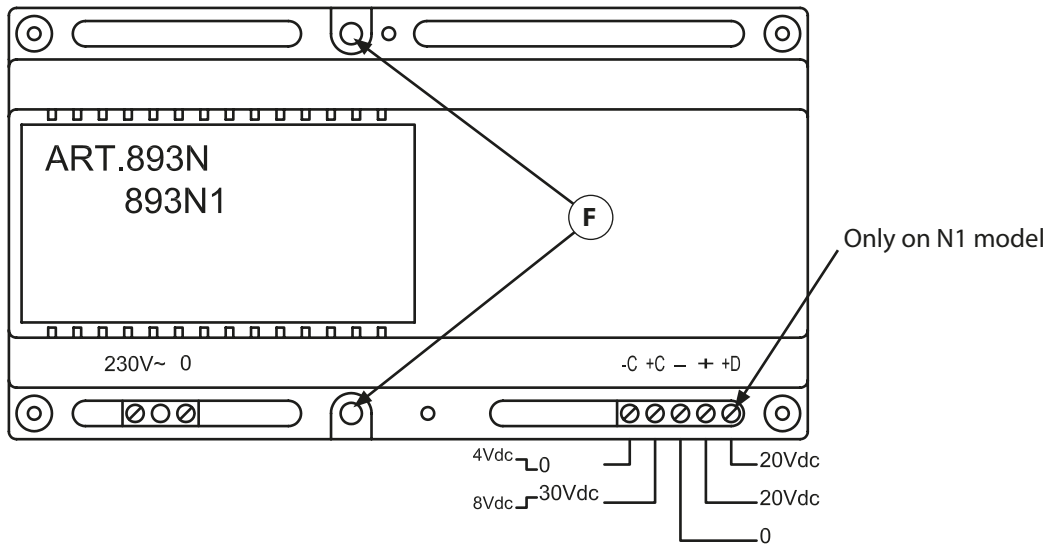

Fig. 1

DESCRIPTION

Regulated 20Vdc 1A max (1A pulse - 0.8A continuous) power supply. In the rest position (no command signal on input terminals **"+C"** or **"–C"**) the output (terminals **"+"** and **"–"**) has no voltage. The 20Vdc output between terminals **"+"** and **"–"** is enabled by a signal (a voltage from 8 to 30Vdc) on input terminal **"+C"** or a signal (voltage from 4 down to 0Vdc) on input terminal **"–C".** This power supply can also be used as a normal power supply with 20Vdc output (terminals **"+"** and **"–"**) by putting a short between the terminals **"–C"** and **"–".** The **"N1"** model has an additional 20Vdc output **"+D"** specific for use on VIDEX digital systems. As the **"+"** terminal, the **"+D"** and is enabled by the command terminals **"+C"** and **"–C".** The power supply is built in a 9 modules DIN box type A (157.5mm) and can be installed on a DIN bar or fixed directly to the wall through the two holes (diameter 4.2mm) on the DIN box base by using two expansion type screws **(Ref. "F" Fig. 1).** The main use of this product is on video intercom installations, either as a basic power supply or as an additional power supply in case the installation needs to supply more than 2 video intercoms (replacing Art. 893).

PROTECTIONS

The Art. 893N/893N1 has an internal restorable PTC for protection. In case of damage or short circuit, to restore the internal protection: switch off for 1 minute and during that time eliminate the cause of the short.

ELECTRICAL DATA

Mains Voltage: 230Vac +6% -10%
Frequency: 50/60Hz
Output Voltage: 20Vdc +6% -10% 1A max

MECHANICAL DATA

Dimensions: 157.5 x 65 x 105mm
All terminals allow the fixing of several wires with a total diameter of 2.5mm.

WORKING CONDITIONS

Temperature: -10 +50° C
Maximum humidity: 90% RM
Protection degree: IP 40

TERMINALS	
230V~ 0	Mains input 230Vac +6% -10%
–C	Terminal for negative command (from 4Vdc down to 0)
+C	Terminal for positive command (from 8 up to 30Vdc)
– +	20Vdc output - 0.8A continuous 1A max with command signal on terminal "–C" or "+C"
– +D	20Vdc output - 0.8A continuous 1A max with command signal on terminal "–C" or "+C" (terminal available only on **"N1"** model)

⚠ CONNECTION TO MAINS AND POWER SUPPLY MOUNTING INSTRUCTIONS

The system must be installed only by a competent engineer and according to national rules in force and installation diagrams proposed (if provided), in particular we recommend to:

- Connect the system to the mains through an **all-pole circuit breaker** which shall have contact separation of at least 3mm in each pole and shall disconnect all poles simultaneously;
- The **all-pole circuit breaker** shall be placed for easy access and the switch shall remain readily operable.

POWER SUPPLY INSTALLATION

- Remove the terminal side covers by unscrewing the retaining screws;
- Fix the power supply to a DIN bar or directly to the wall using two expansion type screws;
- Switch off the mains using the circuit breaker mentioned above and then make the connections as shown on the installation diagrams;
- Check the connections and secure the wires into the terminals;
- Replace the terminal covers and fix them using the relevant screws;
- When all connections are made, restore the mains.

COSTUMER SUPPORT

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CE The product is CE marked demonstrating its conformity and is for distribution within all member states of the EU with no restrictions. This product follows the provisions of the European Directives 2004/108/ECC (EMC); 2006/95/ECC (LVD) and 93/68/ECC (CE marking).