



Manual

Startup and Application

Plug-in power supplies 24V DC

valid for the following models:

- #11025 Power supply 24V/0,75A Euro
- #11026 Power supply 24V/0,75A International
- #11027 Power supply 24V/0,75A US

Release 08/2016

© 08/2016 by Wiesemann & Theis GmbH

Subject to error and alteration:

Since it is possible that we make mistakes, you mustn't use any of our statements without verification. Please, inform us of any error or misunderstanding you come about, so we can identify and eliminate it as soon as possible.

Carry out your work on or with W&T products only to the extent that they are described here and after you have completely read and understood the manual or guide. We are not liable for unauthorized repairs or tampering. When in doubt, check first with us or with your dealer.

Contents

1. Preamble4

2. Safety advisory.....5

3. Function7

4. Connections.....8

 Mains connector.....8

 Output connector9

5. Housing and dimensions 10

6. Technical Specifications..... 11

1. Preamble

W&T offers interface accessories such as Com-Servers and Web-IOs, plug-in power supplies with various output voltages and power ratings, all of which are described in this guide along with their properties and technical data.

Compared with DIN rail power supplies, plug-in versions offer the advantage of simple installation which can be accomplished by non-specialists.

DIN rail mount power supplies on the other hand show their strengths where stationary mounting is desired and wide operating temperature ranges are expected.

Detailed information, applications and Declarations of Conformity for all W&T devices can be found in the Internet at www.wut.de/ - followed by the respective 5-digit article number of the searched for device (e.g. www.wut.de/11025).

2. Safety advisory

The following advisory must be read and understood before installing the power supplies. Non-observance of this advisory may have serious or fatal consequences.



Protection for operating personnel and the equipment is only ensured if the power supply is used as specified. Any use other than described in this Manual will compromise the safety and function of the power supply and any connected systems.

If faults cannot be remedied, take the power supply out of service and guard it against unintentional startup. Tampering with and modifying the power supplies is hazardous and is therefore not permitted.

Note the following points for use:

- Do not permit ambient temperatures which exceed the range of 0°C to +40°C.
- Do not use the power supply if there is visible damage to the housing or cable.
- Never plug a primary adapter into the socket separate from the power supply. Otherwise there is the risk of electrical shock.
- The power supply should never be installed in areas which are subject to moisture or condensation, unusual environmental conditions, continuous vibration or strong temperature fluctuations, and do not use outdoors.
- Disconnect the power supply from the mains when thunderstorms are present or when it will not be used for longer periods of time.
- Do not pull on the cable to disconnect the power supply from the mains.

- The power supply is maintenance-free. Do not open it. Otherwise there is the risk of electrical shock.
- No modifications to the power supply are permitted.
- Any repair must be performed by authorised specialists only.
- Before cleaning disconnect the plug-in power supply from the mains. Do not use chemical agents for cleaning.
- The power supply may not be disposed of with household waste, but rather brought to an authorised disposal facility for electrical and electronic waste.

3. Function

The plug-in power supply models 11025/11026/11027 are 18 Watts switching power supplies with an output voltage of 24V DC and a wide input range of 100-240V AC.

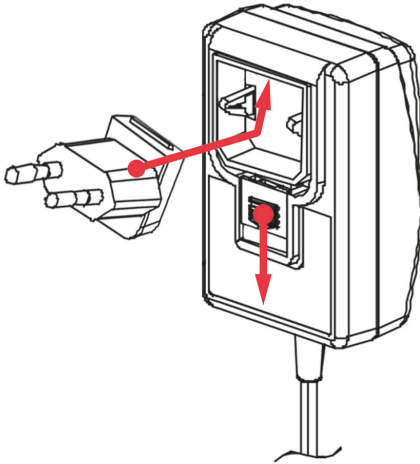
All the power supplies described in this guide feature either a CE mark or UL approval, depending on the primary plug, so that the appropriate power supplies for anywhere in the world can be selected.

The power supplies are compatible with all W&T devices and have an operating temperature range of 0°C ...+40°C to cover office or small business applications.

4. Connections

Mains connector

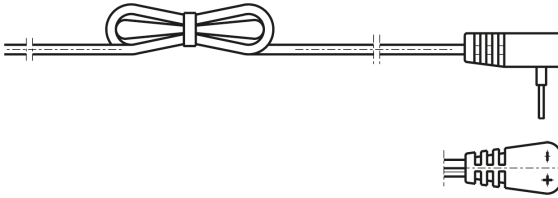
The power supplies come with an adapter mechanism for providing the supply voltage. The model 11025 is shipped with an attached Euro adapter, model 11027 with an attached US adapter and model 11026 with Euro, US and UK adapters which are attached to the power supply as follows:



To remove the exchangeable mains plug, slide down the push button toward the device label and pull the adapter out of the power supply housing.

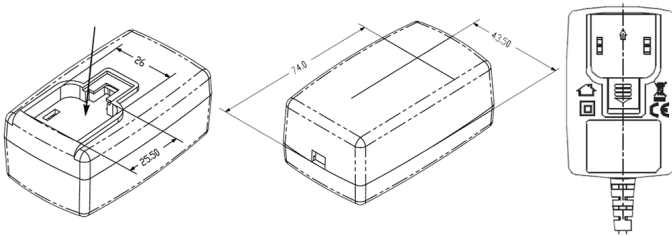
Output connector

The power supply includes a 5.9 feet long secondary cable with a special connector for screw terminals at the end. The polarity is indicated on the connector with "+" and "-".

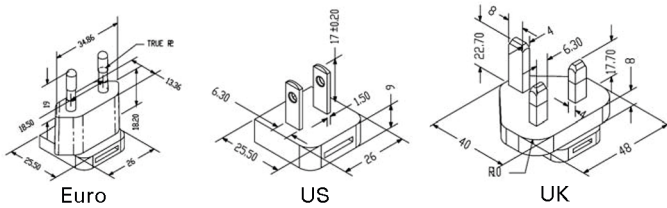


5. Housing and dimensions

The dimensions of the plug-in power supplies can be seen in the following drawing:



Exchangeable mains plugs (Euro, US, und UK):



6. Technical Specifications

Manufacturer:	GlobTec, Inc. GlobTek Deutschland GmbH Hafenweg 26a 48155 Münster / Germany
Model:	GT-46180-1824
Rated power:	max. 18W
Efficiency (min):	according to DoE Level VI
No load power:	< 0,1W
Input voltage:	100 .. 240VAC
Frequency:	50 .. 60 Hz
Input current:	max. 0,6A
Output voltage:	24V DC
Tolerance:	±5%
Ripple:	max. 150mVss
Rated current:	0,75A, short circuit protected
Minimum load:	none
Withstand voltage:	In-Out: 3KV AC
Leakage current:	< 0,25mA
Operating temperature:	0 .. 40°C
Storage temperature:	-10 .. 70°C
Relative humidity:	20 .. 80% r.F. (non-condensing)
Mains plug connector:	exchangeable mains plug
Output plug connector:	connector for screw-type terminal
Cable type:	twin wire with ferrit core
Cable length:	5,9 feet
MTBF:	200.000 hours (per MIL HDBK-217F at 25°C)
Weight:	4.94 oz
Dimensions:	2,91 x 1.71 x 1.34 inch

Approvals: CE, GS, UL, cUL, CCC

Safety standard: EN 60950-1

EMC standards:

Emission: EN 55022, Klasse B

EN 61000-3-2

EN 61000-3-3

Immunity: EN 55024

EN 61000-4-2

EN 61000-4-3

EN 61000-4-4

EN 61000-4-5

EN 61000-4-6

EN 61000-4-8

EN 61000-4-11

Wiesemann & Theis GmbH

Porschestra. 12

D-42279 Wuppertal

Mail info@WuT.de

Web www.WuT.de

Tel. +49 (0) 202/2680-110

Fax +49 (0) 202/2680-265