

Important: Read before use!

# Operating / Safety Instructions

## Switch Unit for electric consumers SE-2300



### Call for consumer information

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## Notice

All instructions, warranties and other collateral documents are subject to change at the sole discretion of STEPCRAFT GmbH & Co. KG for customers from outside the U.S and STEPCRAFT Inc. for customers from the U.S., Canada and Mexico. For up-to date product literature, visit [www.stepcraft-systems.com](http://www.stepcraft-systems.com) for customers from Europe, or [www.stepcraft.us](http://www.stepcraft.us) for customers from US / Canada and click on the service tab for this product.

**Age recommendation: For advanced handcrafters ages 14 and above. This is not a toy.**

**SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.**



**Should you encounter any doubts or require any further information, please do not hesitate to contact us before commissioning of the power tool. Our contact details can be found on the front page of this manual.**

## Intended use and description of the equipment


The Switch Unit For Electric Consumers is constructed for the connection to the data output of STEPCRAFT CNC-Systems. The unit switches the supply voltage through a relay. It is used to turn on and off the milling spindle, the exhaust system or other consumers through one of three selectable signals.

## General safety warnings





### Work area safety

 <b>CAUTION</b>	<b>The device is only suitable for indoor use!</b>
<b>NOTICE</b>	<b>Do not use the electrical device in dusty or explosive environments.</b> An electrical device can create sparks which may ignite dust or gases or flammable liquids. Excessive dust can also cause damage to the device.
 <b>CAUTION</b>	<b>Protect the device from moisture and humidity.</b> Excess moisture or humidity increases the risk of electric shock.
<b>NOTICE</b>	In particular, protect the controller against overheating by avoiding direct sun radiation, the close proximity to a radiator or incorrect use (e. g. overloading).

### Personal safety

 <b>CAUTION</b>	<b>Stay alert, watch what you are doing and use common sense when operating the device.</b> Do not use the device while you are tired and / or under the influence of drugs, alcohol or medication. A moment of inattention while operating the device may result in serious personal injury.
<b>NOTICE</b>	<b>Do not alter or misuse tool. Any alteration or modification is a misuse and may result in serious personal injury.</b>

### Electrical safety

 <b>CAUTION</b>	<b>Do not use the electrical device if anything appears defective (e. g., if a cable is damaged, a switch is faulty or if the device does not operate normally).</b> If this happens, contact us so that we can repair the device. There is a risk of electric shock.
 <b>CAUTION</b>	<b>Keep it away from heat, corrosive liquids, sharp and / or moving objects or parts of the device.</b> Damaged cables increase the risk of electric shock.
<b>NOTICE</b>	<b>Protect the device from moisture and humidity.</b> Excess moisture or humidity increases the risk of electric shock.
 <b>CAUTION</b>	<b>Do not overload the electrical device. Use it only as directed.</b> The use of an electrical appliance otherwise than as directed can lead to dangerous situations!
 <b>CAUTION</b>	Keep the appliance out of the reach of children.

## Operation of the device

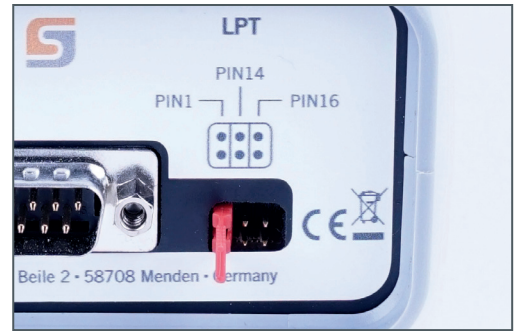
Connect the connecting plug (15-pin Sub-D) of the device with the signal output of the STEPCRAFT system using the cable provided. Select the signal you want to use (Pin 1, 14 or 16) via plugging the jumper. Insert the switch unit into a proper power outlet. Plug the power cord of your consumer into the socket of the device. Turn on the power switch of the milling motor.

Now the consumer can be switched on and off by the switch unit.

Always turn off the main switch of the consumer after working with the device in order to prevent accidental starting.

## Selection of signal

The STEPCRAFT Switch Unit for Electronic Consumers SE-2300 can be used to configure one of three possible available CNC Output signals. Just put the jumper on the backside onto the chosen signal pin.



## Technical data

Housing made of impact-resistant ABS  
Safety plug and socket (Schuko Type F)  
Operating voltage: 110V - 230V 50-60HZ  
AC power: 230V = 2300W, 110V = 1100W, internal fuse 10A  
Dimensions & weight: 95 mm x 47 mm x 135 mm, 195 g

Funktion	PIN	LPT1
VCC	1,9	
GND	2,10	
Switch signal logic 5V	6,13,14	1,14,16 acc. Jumper
not used	all others	

## Cleaning and maintenance

The product is maintenance free to you. You never need to open / disassemble it. Before cleaning the product, unplug it from the socket. Clean the exterior with a clean, soft cloth. Do not use any aggressive cleaning agents or chemical solutions at any time, as this may damage the housing or impair the function.

## Disposal via municipal collection

Since the device and its components contain valuable raw materials that can be recycled, do not dispose of it via household waste.

If you do not know where you can dispose of your device, you should contact your local waste management service provider or another entity (municipally) entrusted with waste disposal facilities.

You may of course return the unit to us and of course we will dispose of it for you.

## Warranty and liability

These instructions must be read by every operator before first operating the device.

We are not liable for damages resulting from failure to observe the operating instructions.

Translations into other languages are carried out by a qualified translation company. We can accept no liability for inaccurate translations. The German language original version of the manual is definitive.

If translations into other languages are given by third parties without our knowledge we are not liable for the completeness or accuracy of the translations.

This manual has been prepared to the best of our knowledge and belief, based on our experience and knowledge.

The statutory warranty provisions apply.

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