

The Transformer (UEA0-Series) is designed to transform line voltage (AC 230 V) into SELV Voltage (AC 24 V)

All Transformer have a internal self-resetting primary and secondary fuse

The Transformer has a secondary power supply ON/OFF switch

The Transformer has a visual operation mode LED for the secondary power supply

Available with 18 VA / 0.75 A or 30 VA / 1.25 A



Use	The Tranformer is designed to tranform line voltage (AC 230 V) into SELV Voltage (AC 24 V) Compatible with all common HVAC devices with a power supply of SELV AC 24 V Designed for constant load / Protected against short circuit and overload Suitable for DIN Rail mounting Used in Commercial and Industrial Buildings
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Features	Three Power Outputs, total load on 1 output or distributed over all 3 outputs The Transformer has a internal self resetting primary fuse The Transformer has a secondary power supply ON/OFF The Transformer has a visual operational mode LED for the secondary power supply The Transformer has easy to connect push-down terminals Professional and practical product design, withstands rough environmental conditions Easy to use, install and maintain
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Product Range									
Order Code	Power Supply	ON/OFF Switch	Fuse	Outputs		Fuse	LED	Mounting	Protection
	Primary			Secondary					
UEA0G.E	AC 230 V (-15 % to +10 %)	ON/OFF Switch	Self-resetting (PTC)	AC 24 V (±10 %) 3 × outputs	18 VA, on 1 output or distributed over all 3 outputs	Auto Shutdown	Green = Normal operation Off = No power on outputs	DIN Rail or Wall mounting	IP20
UEA0G.F					30 VA, on 1 output or distributed over all 3 outputs				

Technical Informations	Electrical Information	
	Power Supply	Universal Input AC (85 V to 250 V)
	Frequency	50 / 60 Hz
	Terminal Clamp	Screw terminal, max. 1.5 mm ²
	Primary Electrical Information	
	Power Consumption	max. 1 W
	Fuse	Self-resetting (PPTC), cut out @320 V AC
	Secondary Electrical Information	
	Power Supply (SELV)	AC 24 V
	Total Output	18 VA / 30 VA
	Nominal Current	0.75 A / 1.25 A
	Fuse	Auto Shutdow @ over current
	Operation Mode LED	Normal Operation: Green light
	User Interface	Manual Switch
	Mechanical Information	
	Housing Size	87.5 × 70 × 45.8 mm
	Mounting	Snap-mounted / DIN Rail EN50022-35 x 7.5
	Terminals Type	Removable, screw terminals
	Cable size, max	2× 1.5 mm ² or 1× 2.5 mm ²
	Cable size, min	1× 0.5 mm ²
	Color and Materials	
	Housing Cover	ABS, white
	Housing Bottom	ABS, white
	Environmental Conditions	
	Operation Temperature	0 °C to +50 °C
	Operation Humidity	<85 % RH, no condensation
	Transport Temperature	–35 °C to +70 °C
	Transport Humidity	< 90 % RH
	Storage Humidity	< 85 % RH, no condensation
Miscellaneous	Norms and Directives	
	IP- Rating	IP20 to IEC60529
	Safety Class	III to EN 60 730
	CE Conformities to	2004/108/EG Electromagnetic Compatibility EMV
	CE EC Emitted Interference	2000/EN60730-1 Emitted Interference
	CE EC Interference resistance	2000/EN60730-1 Interference Resistance
	RoHS Compatibility	RoHS 3, Directive 2015/863
	Operation Environmental Condition	IEC 60 721-3-3
	Operation Mechanical Condition	IEC 60 721-3-2 to class2M2
	Transport to Environmental Condition	IEC 60 721-3-2
	Transport Mechanical Condition	IEC 60 721-3-2 to class2M2
	Storage Environmental Condition	IEC 60 721-3-1
	Storage Mechanical Condition	IEC 60 721-3-1 to class2M2
Miscellaneous	Accessories	Accessory not included in delivery
	Shipping & Handling	Minimum Order
	Packaging	Rigid Cardboards Packaging
	Order Notes	Order Code

Installation Notes

Observe the following general regulation for engineering and implementation:



All relevant national and heavy power regulations

Other country specific regulations

Country-specific regulations

Local electrical supply authority regulations

Schematics, cable listings, dispositions, specification and arrangements from the customer
or engineering office in charge

Third party specifications, e.g. general contractors or constructors.

Transformer sizing

The transformer power is calculated by adding all power consumption of the connected devices.



In case devices are operated in sequences, where only one device is operated at the time,

only the device with the highest power consumption is used in the calculation.

For Valves Actuators and Air Actuators a multiplier of 1.5 of the nominal power consumption, for Controllers and Sensors the nominal power consumption, should be used for the max. transformer power.

Mounting Advices

The Transformer is designed for indoor only use.



When using several Transformer in one system, the G0 must be galvanically connected.

Never remove the cover of the Transformer

The ON/OFF switch is only for the secondary power supply

Disposal Notes

The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.



The device may not be disposed as domestic garbage.

The device must be disposed through channels provided for this purpose.

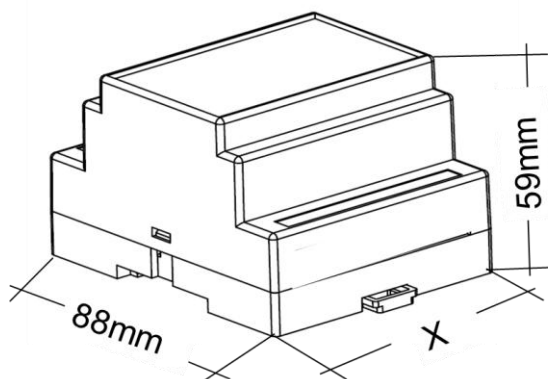
It is mandatory to comply with local currently applying laws and regulations.

Overload



If switch is in "ON" position and the Green LED is off, the transformer is on overload. Please put the switch to "OFF" position and check the wiring and connected devices. If all is in order, put the switch to "ON" position. The transformer will switch to normal operation mode and the LED should turn to GREEN. If this happens frequently, the transformer may be undersized or the primary power supply is very unstable.

Dimensional Drawing



Dimensions are rounded

X	UEA0G.E	72mm
	UEA0G.F	110mm

Connections

UEA0- Series (Accessories)											
	N	L		G0	G		G0	G		G0	G

N, L **AC 230 V Input**

G, GO **AC 24 V Output**