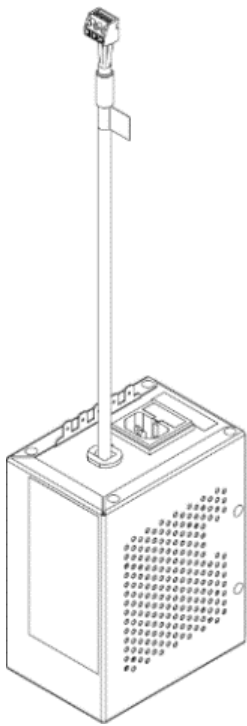


TS1066TF NAC Transformer Installation Sheet

Description

The TS1066TF NAC Transformer is supplied as a replacement unit for the existing NAC transformer, and is not approved for any other configuration. It provides one 19.5 VAC power output to supply the NAC (TS1066 or TS1067) with its input power requirements.



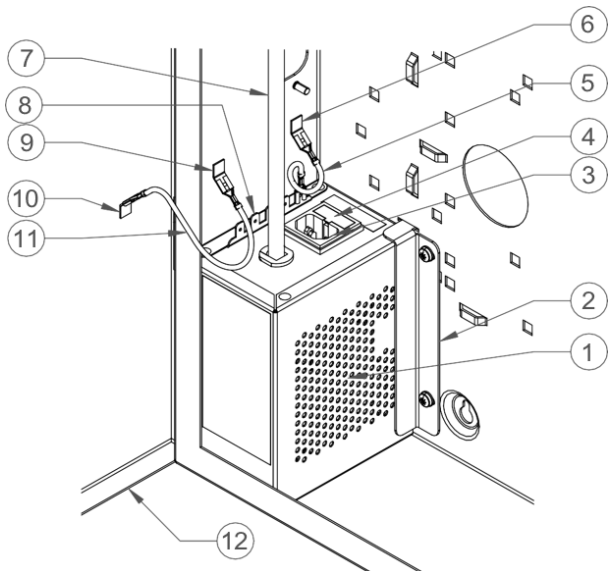
Product contents

If any components are damaged or missing, do not use the unit and contact the supplier immediately. The original shipping box must be used for returns.

Quantity	Item
1	TS1066TF NAC Transformer
1	Power Input 240 VAC lead with plug
2	Earth leads with tab spade ends
1	Terminal block

Transformer Overview

This TS1066TF is only authorised to be fitted to the enclosure supplied with the TS1066 or TS1067 NAC. The Transformer is mounted with a Transformer bracket and 2 screws to hold it in place.



1. Transformer
2. Transformer bracket
3. Power Inlet
4. Fuse holder
5. Earth lead (transformer - enclosure)
6. Earth tab (enclosure)
7. Output lead
8. Earth tabs for devices
9. Earth tab (enclosure)
10. Earth tab (door)
11. Earth lead (enclosure - door)
12. Door

The transformer has five tabs (see item 8 above) to provide an earth connection for an enclosure and installed devices.

Transformer Precautions

Warning: The transformer is for indoor use within an approved enclosure only.

Warning: This transformer has high voltage inside and contains no serviceable parts. Do not open the transformer housing.



Warning: Ensure that the output contacts do not short circuit to each other or other items by fitting the terminal block prior to applying power (see Transformer Installation). Do not operate if the output lead is damaged. To avoid hazard, seek a replacement from the manufacturer or their service agent.

Warning: Exercise caution in handling the transformer. The transformer may be hot, heavy and/or have sharp edges. Do not hold the transformer by the leads.



Transformer Specifications

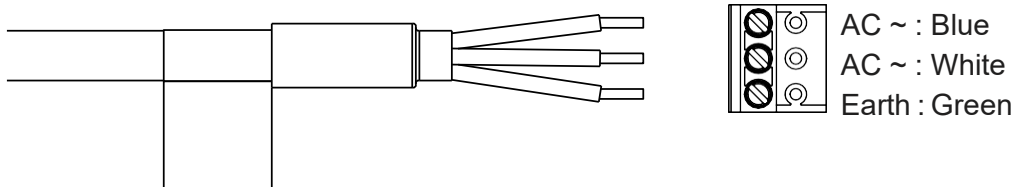
Storage	Temperature	-20 to +80°C
Dimensions	Size	75 x 140 x 109
	Weight	12kg
Operating environment	Room temperature	0 to 40°C
	Relative humidity	0 to 95% non-condensing
	Altitude	≤ 2000m
	Pollution Class	≤ 2
Input	Voltage	240 V _{AC}
	Frequency	50 Hz
	Power	100 VA
Mains power cable	RCM Compliant	HO5VV-F cable
		3x0.75mm ²
Output	Voltage	19.5 V _{AC}
	Power	70 VA
	Lead	SELV Class I Power Limited ~ 280 mm long with 3 wire output
Fuse	Size	M205 (5 x 20 mm)
	Voltage	250 V _{AC} RMS
	Trip Current	1 A
	Trip Time	Slow Blow (time lag)
	Class	IEC 60127-2 sheet 5
	Suitable replacements	Littlefuse 0215001.MXP Bel Fuse 5HT 1-R Schurter 0001.2504

Important: Fit the terminal block to the output lead of the transformer prior to applying power.

Transformer Installation

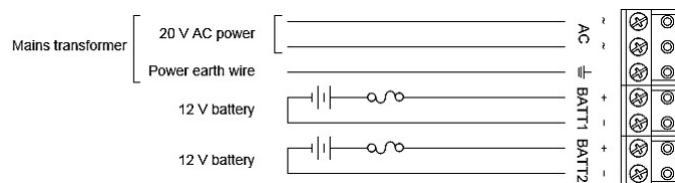
1. Isolate the power to the Transformer
2. Disconnect the mains Power inlet lead.
3. Disconnect the Transformer Output lead at the NAC device that it is supplying power to.
4. Remove all earth connections from the transformer earth tabs. (Take note of where each one is connected to)
5. Undo the 2 screws and remove the transformer bracket.
6. Remove the old transformer and replace with the new transformer.
7. Insert the transformer bracket and screw the 2 screws in to mount the unit
8. Attach the earth leads to the earth tabs on the transformer and at the locations noted in step 4.
9. Re-plug the Output lead from the transformer to your NAC device. (make sure the terminal block is wired as per figure 3).
10. Reconnect the mains Power inlet lead to the transformer
11. Re check all connections before applying power to the transformer and the device.

Figure 3 : Transformer output lead termination



Plug Terminal block into NAC as shown below where the Mains transformer is listed

Figure 4: TS1066TF wiring example to NAC



Notice! In case of a worn, pinched or otherwise damaged transformer lead, the transformer must be replaced in order to avoid hazard.

The transformer leads supply high currents to the board. Poor connections lead to excessive voltage drop and can affect system performance.

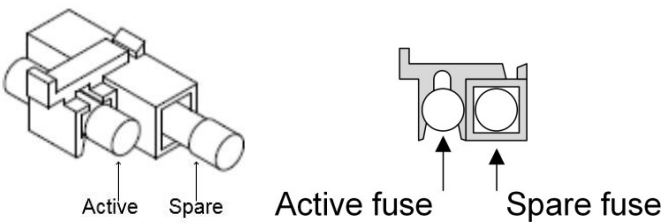
Notice! Transformers supplied by Aritech have internal thermal fuses. Shorting the AC leads together may blow the thermal fuse.

Fuse Replacement

The transformer is fused to protect against over current conditions.

Warning: If the transformer output fails due to a blown fuse, identify and remove the cause of the failure before replacing the fuse. If the fault repeats, then seek advice from the manufacturer or their service agent. Do NOT repeatedly replace the fuse. Only use replacement fuses that meet the requirements set out in Transformer Specifications.

Figure 5: Fuse holder



Follow these steps to replace the active fuse with the spare fuse:

- 1. Disconnect the Power inlet lead from the power inlet of the transformer.
- 2. Carefully remove the fuse holder using the tip of a flat head screwdriver.
- 3. Discard the active fuse and replace with the spare fuse. Figure 5 above.
- 4. Push the fuse holder back into the slot below the Power inlet.
- 5. Reinsert the Power inlet lead into the power inlet.

Regulatory information

Manufacturer	Kidde Global Solutions. Made in China by GST No. 80, Changjiang East Road, QETDZ, Qinhuangdao, Hebei, P. R. China 066004 Imported by KGS Fire and Security Australia Pty. Ltd. Suite 4.01, 2 Ferntree Place, Notting Hill, Victoria, 3168, Australia
Product warnings and disclaimers	 THESE PRODUCTS ARE INTENDED FOR SALE TO AND INSTALLATION BY QUALIFIED PROFESSIONALS. KIDDE GLOBAL SOLUTIONS CANNOT PROVIDE ANY ASSURANCE THAT ANY PERSON OR ENTITY BUYING ITS PRODUCTS, INCLUDING ANY “AUTHORIZED DEALER” OR “AUTHORIZED RESELLER”, IS PROPERLY TRAINED OR EXPERIENCED TO CORRECTLY INSTALL FIRE AND SECURITY RELATED PRODUCTS. For more information on warranty disclaimers and product safety information, please check https://aritech.com.au/aritech-product-warranty/ or scan the QR code.
Year of manufacture	The first two digits of the product serial number (located on the product identification label) are the year of manufacture.
Compliance	

NOTICE! This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Disclaimer

The customer is responsible for testing to determine the suitability of this product for specific applications. In no event is Aritech responsible or liable for any damages incurred by the buyer or any third party arising from its use, or their inability to use the product.

Contact information

For contact information, see www.aritech.com.au.