

BN Thermic Ltd

34 Stephenson Way
Three Bridges,
Crawley,
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England

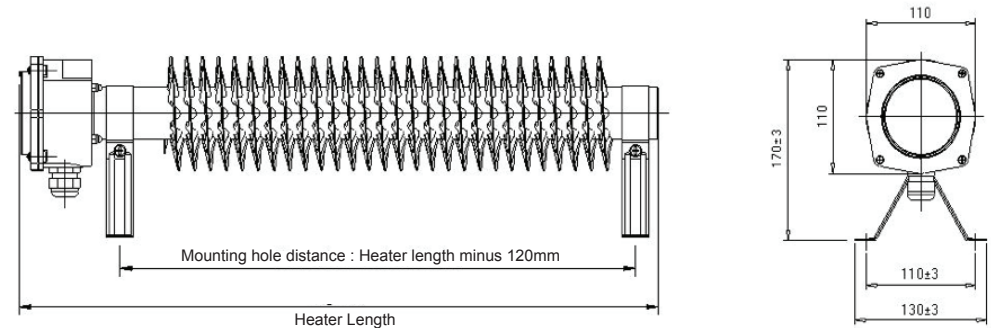
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BN*thermic*

SWD Series

Industrial Finned Tubular Convactor Heaters



Finned tube heaters	U	A	Heater Length mm
Power W	500	500	440
	1000	1000	640
	1500	1500	840
	2000	2000	1040
	3000	3000	1440
	4000	-	1840
Max. surface temperature	240°C	240°C	240°C

Date: May 2013
Subject to change

BNTMSWD-02

Type	Model	Control
Universal	SWD-U	No switch
Automatic with built-in thermostat	SWD-A	Frost-free Adjustable between +5°C and +30°C

Finned tube heaters and tube heaters	
Conforming to EN 60335-1 and EN 60335-2-30	
Ø Tube	50mm
Ø Fins	110mm
Height	170mm
Width	130mm
Finned tube	Stainless steel grade 1.4512
Terminal box	PA6-GF30
Heating unit	Technical ceramics C221 and C520
Cable gland M20x1,5	PA6
Heating conductors acc. to DIN 17470	
Protection type IP66 acc. to EN 60529	

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INSTALLATION AND OPERATING INSTRUCTIONS

PACKAGING - Unpack the heater and ensure all packaging material is removed. The packaging should be disposed according to the current legislation regarding waste disposal.

Retain these instructions for future use.

LOCATION - This heater is intended to be mounted horizontally at either high level or low level. When the heater is installed in an area to which personnel have access the SWG protective guard must be used. When energised the stainless steel tube and fins become hot and contact must be avoided. A minimum clearance of 300mm above the heater should be allowed. Ensure the heater is installed where it cannot be covered; the minimum 300mm area around the heater must be observed.

The heater must be fixed securely to the wall or floor using the mounting brackets provided.

Please Note: This heater is not suitable in areas used by young children and the elderly.

This heater is intended for normal space heating applications. It is NOT designed for areas containing flammable or explosive gases.

CONNECTIONS - Remove the four screws which retain the terminal box cover and terminate cable through a suitably approved connector. Prepare the cable and connect the Earth wire coloured Green/ Yellow to the appropriate earth screw marked \perp . Connect the live wire coloured Brown to the terminal marked L, connect the Neutral wire coloured Blue to the terminal marked N. Ensure the tightness and integrity of all connections and ensure the cable gland is also securely and correctly tightened, then secure the terminal box cover using the four screws.

THIS HEATER MUST BE EARTHED.

The SWD-U Series 1000W, 1500W, 2000W, 3000W & 4000W can be wired 230V or 400V. See Figs 1, 2 & 3.

OPERATION - Energise the heater and if a thermostat is fitted, turn the thermostat knob clockwise to activate the thermostat, the heater will get hot very quickly. As previously advised the heater becomes very hot and direct contact must be avoided with the outer sheath.

THIS HEATER IS NON-USER SERVICEABLE.

230V =/~
SWD-U-500

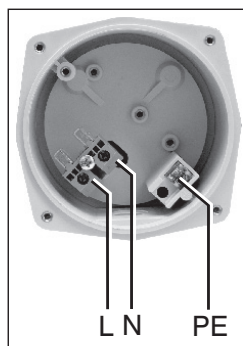


Fig. 1

230V =/~
SWD-U-1000 -
SWD-U-4000

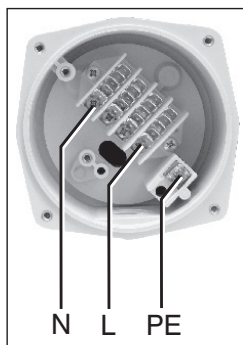


Fig. 2

400 V 3 (N) ~
SWD-U-1000 -
SWD-U-4000

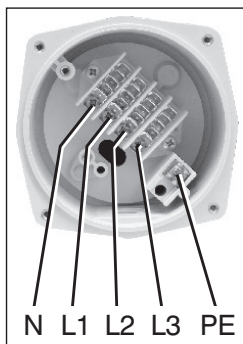


Fig. 3

GENERAL MAINTENANCE ON ELECTRIC HEATERS

Prior to any periodic cleaning or servicing always ENSURE THE SUPPLY TO THE HEATER IS COMPLETELY ISOLATED.

BN Thermic Electric heaters are factory assembled and tested and are non-user serviceable. They are intended to operate for many years problem free.

If any doubt, consult a qualified electrician or H & V engineer.

WARRANTY - Your BN Thermic heater is guaranteed for a period of one year from the date of purchase. We will repair or replace at our discretion any part found to be defective. BN Thermic cannot assume any consequential liability. This guarantee in no way prejudices your rights under common law and is offered as an addition to consumer liability rights.