

SWD Industrial Finned Tubular Heaters

- Providing background or comfort heat in damp or corrosive environments
- Specifically designed for long life in the most demanding conditions
- Low running costs by selecting from a range of control options



SWD Industrial Finned Tubular Heater ideal for damp and corrosive environments

Typical Applications

- Water treatment plants
- Plant rooms
- Lift shafts

Features Common to all Models

- Welded stainless steel tube with stainless steel cooling fins
- Stainless steel brackets for floor or low level wall mounting
- Waterproof reinforced glass fibre terminal enclosure conforming to IP66
- M20 waterproof cable gland supplied as standard

Controlling SWD Heaters

Thermostatic control is highly recommended. The simplest option is to select a heater with the prefix SWD-A. This indicates that a built-in adjustable thermostat is provided. The built-in thermostat has a set-point range between 5°C and 30°C and includes a frost protection setting.

Where remote thermostatic control is preferred we recommend our tamperproof Hard Case Range of Electronic Control Devices (see opposite). Hard Case thermostats' tamperproof design ensures that only authorised personnel can adjust the temperature setting. The standard Hard Case is not waterproof, however the Hard Case range includes and optional remote sensor with an IP55 rating.

The Hard Case HC-T2 will switch a single phase load of up to 16A and larger loads or 3-phase loads via a suitably rated contactor (see page 63)



SWD-U standard format



SWD-A with externally adjustable thermostat

Safety Guards

Where personnel have access to an SWD heater, the use of an SWG safety guard is strongly recommended. Manufactured from heavy gauge zinc plated wire, the SWG comes complete with mounting clips for easy fixing to floor or wall.



SWD mounted under SWG Guard
An SWD guard is recommended when personnel have access to the heaters

SWD Tubular Heaters - Specifications								
Model	Control	Volts	kW	Dimensions (mm)			Recommended Guard	Weight (kg)
				H	W	D		
SWD-U-500-1	None	110	0.5	170	440	130	SWG-1	3.0
SWD-U-1000-1	None	110	1.0	170	640	130	SWG-2	4.8
SWD-U-1500-1	None	110	1.5	170	840	130	SWG-3	6.2
SWD-A-500-2	Thermostat	230	0.5	170	440	130	SWG-1	3.0
SWD-A-1000-2	Thermostat	230	1.0	170	640	130	SWG-2	4.8
SWD-A-1500-2	Thermostat	230	1.5	170	840	130	SWG-3	6.2
SWD-A-2000-2	Thermostat	230	2.0	170	1040	130	SWG-3	7.7
SWD-A-3000-2	Thermostat	230	3.0	170	1440	130	SWG-4	10.9
SWD-U-500-2	None	230	0.5	170	440	130	SWG-1	3.0
SWD-U-1000-2	None	230	1.0	170	640	130	SWG-2	4.8
SWD-U-1500-2	None	230	1.5	170	840	130	SWG-3	6.2
SWD-U-2000-2	None	230	2.0	170	1040	130	SWG-3	7.7
SWD-U-3000-2	None	230	3.0	170	1440	130	SWG-4	10.9
SWD-U-4000-2	None	230	4.0	170	1840	130	SWG-5	13.7
SWD-U-1000-3	None	400/3	1.0	170	640	130	SWG-2	4.8
SWD-U-1500-3	None	400/3	1.5	170	840	130	SWG-3	6.2
SWD-U-2000-3	None	400/3	2.0	170	1040	130	SWG-3	7.7
SWD-U-3000-3	None	400/3	3.0	170	1440	130	SWG-4	10.8
SWD-U-4000-3	None	400/3	4.0	170	1840	130	SWG-5	13.7
SWG-1	Recommended Guard			240	450	240		1.0
SWG-2	Recommended Guard			240	650	240		1.5
SWG-3	Recommended Guard			240	1075	240		2.0
SWG-4	Recommended Guard			240	1600	240		3.5
SWG-5	Recommended Guard			240	1900	240		4.0

Remote Electronic Control Device

Model	Description
HC-T2	Tamperproof Electronic Control Device 16A
HC-S2	Optional Remote Waterproof Sensor (IP55) for use with HC-T2 Electronic Control Device
HC-D	Tamperproof Tool for Hard Case (HC) range

This table only shows the basic HC-T2 Hard Case Electronic Control Device. However it is possible that an alternative model from the Hard Case range may be more suitable for any given installation. Please see page 54 for full details of the Hard Case range.



HC-T2 Energy Saving Tamperproof Electronic Control Device



HC-D Tamperproof Tool for HC-T2
Ensuring that only authorised personnel can adjust temperature settings



HC-S2 Sensor
Optional remote sensor for use with Hard Case Tamperproof Electronic Control Devices and conforming to IP55