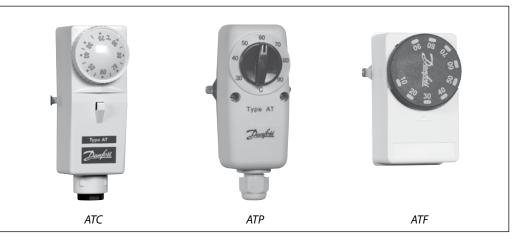


### Datasheet

# ATC, ATP and ATF Clamp-On Thermostats

Features



#### ATC CLAMP-ON CYLINDER THERMOSTAT

The ATC clamp-on cylinder thermostat, which comes complete with cylinder fixing strap, is configured specifically for the control of domestic hot water cylinders.

The thermostat, which utilizes a bi-metallic strip provides reliable and repeatable control, over a wide range of temperatures (20-90°C).

The electrical contacts provide single pole double throw operation making the thermostat suitable for all types of motorised valves, including 3 port mid-position types.

The thermostat, which is not pre-wired, incorporates a sturdy mechanical cable gland which enhances installation standards.

#### **ATP CLAMP-ON PIPE THERMOSTAT**

The ATP clamp-on pipe thermostat, which comes with a pipe fixing strap, is configured specifically for use as a pipe thermostat, and is suitable for use on pipes of up to 2" diameter (50mm). The thermostat utilizes a bi-metallic strip. The metal base of the thermostat makes direct contact with the pipe. This type of construction provides accurate Typical applications include:

- Pump run on thermostat.
- Safety thermostat for use in solid fuel heating systems.
- Shunt pump control in oil fired installation.

### ATF CLAMP-ON FROST PROTECTION THERMOSTAT

The ATF clamp-on pipe thermostat has a set range of 10-90°C. The lower set point of 10°C makes the thermostat particularly suited for frost protection applications.

The ATF which utilises a vapour filled bellows, comes with pipe fixing strap. The ATF can be used in most frost protection applications which require a pipe thermostat including:

- 2nd stage operation in 2 stage frost protection schemes.
- Frost protection termination function in systems which utilise a room thermostat to initiate boiler operation during periods of low internal room temperature.

Specifications
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		ATC Cylinder Thermostat	ATP Pipe Thermostat	ATF Pipe Frost Thermostat
Temperature Rating (°C)		20-90	30-90	10-90
Voltage Rating of Switch		220/240 Vac, 50 Hz		
Contact Rating of Switch		15(2.5)A	6(2)A	6(2)A
Switch Configuration		SPDT		
Switching Differential (K)		6-10	6-10	8
Supplied with Fixing Strap for cylinders		•		
Supplied with Fixing Strap for pipes (½ - 2")			•	•
Dimensions (mm) V	Vide	40	40	40
H	ligh	120	120	85
C	eep	58	58	58

and repeatable control.



# ITC, ITL and ITD Immersion Thermostats

#### Features



#### **ITC 100 Immersion Control Thermostat**

The ITC 100 immersion thermostat has a 100mm insertion length. This thermostat, which is supplied with a <sup>1</sup>/<sub>2</sub>" BSP/100mm pocket, is suitable for the control of any application which requires accurate immersion sensing, for example in unvented hot water systems. It which has an adjustment range of 0-90°C and has SPDT contacts making it suitable for the control of all types of motorised valves.

#### **ITL 100 Immersion Limit Thermostat**

The ITL 100 immersion limit thermostat has an insertion length of 100mm. This thermostat, which is supplied with a ½" BSP/100mm pocket is suitable for any application which demands an immersion thermostat offering manual re-set facility. The thermostat is factory pre-set to 90°C and has SPDT contacts.

## ITD 100 Immersion Dual Control & Limit Thermostat

The ITD 100 immersion thermostat incorporates a separate limit and control function. The control function set point can be varied between 0°C and 90°C. The limit function, which requires manual resetting after activation, is factory pre-set to 100°C. This thermostat is supplied with a ½" BSP/100mm pocket.

		ITC Control Thermostat	ITL Limit Thermostat	ITD Dual Thermostat	
Order Codes		099-1057	099-1059	099-1060	
Control Function (Thermal Reset)		•		•	
Limit Function (Manual Reset)			•	•	
Dual Control and Limit Function				•	
Temperature Range (°C)		0-90		0-90	
Temperature Range (Limit)		90-110°C, Factory set to 90°C			
Switching Differential		$4 \pm 1 K$	-	4 ± 1K	
Switch Configuration		SPDT	SPST	SPDT (control), SPST (limit)	
Switch Voltage Rating		220/240 Vac			
Switch Current Rating		10 (2.5) A			
Max. Ambient Temperature (Head) 65°C		80°C	80°C		
Max. Medium Temperature		150°C	150°C	150°C	
Supplied with ½" BSP(m) x 100mm Pocket		•	•	•	
Dimensions of	Wide	55	55	100	
Thermostat Head (mm)	High	110	110	110	
	Deep	55.5	56.5	56.5	

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