



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 and repeatable control.

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

	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)			
Wide	40	40	40
High	120	120	85
Deep	58	58	58

Datasheet

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 ½" BSP/100mm pocket, is suitable for the control of any application which requires accurate immersion sensing, for example in unvented hot water systems. It 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 re-setting 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 ± 1K	-	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	100
Thermostat Head (mm)	High	110	110
	Deep	55.5	56.5

Danfoss can accept no responsibility for possible errors in catalogues, brochures, and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.



Danfoss Randall Ltd.

Amphill Road
Bedford MK42 9ER
Tel: 0845 1217 400
Fax: 0845 1217 515
Email: danfossrandall@danfoss.com
Website: www.danfoss-randall.co.uk