

# Typ: ATR 83.100

**Art.-No.:** C1810493

## **Features:**

single-stage contact thermostat, mechanical, 30...90°C, TW, Toggler, 24-230 VAC, 16(2)A, hysteresis approx. 4K

## **Application:**

Control or monitoring of temperatures at heat registers, pipelines or tanks, for example, temperature-dependent pump control or control of motor valves.

## **Technical Data:**

Number of outputs:	2
Number, control range:	1
Output signal:	switching
Rated impulse voltage:	4000 V
Operating voltage:	none
setting range to:	90
setting range from:	30
Electrical connection:	Screw-type terminals
Colour of housing:	grey (lower part like RAL 7016, upper part like RAL 7035)
Sensor:	liquid-filled capillary
Sensor material:	Cu
Function type:	TW
Hysteresis:	approx. 4 K
Internal setting:	yes
Storage temperature:	0...+80 °C
Scope of supply:	Controller, cable tie-wrap
Material of housing:	Plastic
max. sensor temperature:	100
max. switching voltage:	230 VAC, 50 Hz
max. switching current:	16 (2) A
Medium:	firm, non-aggressive surface
min. switching voltage:	24 VAC, 50 Hz
min. switching current:	150 mA
Installation/fastening:	on pipe by means of cable tie-wrap
Surface quality:	matt
potential-free:	yes
Control range up to:	90

Control range from:	30
Control function:	Heating or cooling
Switching element:	Microswitch
Switching contact:	Changeover
Switching power:	3680 W
Degree of protection:	IP 20
Protection class:	I
Safety and EMC:	according to DIN EN 60730
Scale - degrees Celsius:	yes
Set point adjuster:	yes
Ambient temperature up to:	80
Ambient temperature from:	0
Degree of fouling:	II
Permissible atmospheric humidity:	max. 95% r.h., non-condensing

### Circuit Diagram:

