

## Series AZT

### Electronic antifreeze controller

This is an inexpensive electronic antifreeze controller, with internal or external setting of the rated value.

When the external temperature drops, depending on the setting, it switches the heating on for antifreeze protection, and switches off again when the external temperature rises.

<b>Operating voltage:</b>	230 V, +6 / -15%, 50 / 60 Hz
<b>Display:</b>	control lamp: „Heater on“
<b>Temperature range:</b>	-15° to +15°C
<b>Max. permissible switched current:</b>	10 A / 250 V
<b>Switching capacity:</b>	2.2 kW
<b>Contact (relay contact):</b>	1 changeover contact
<b>Permissible ambient temperature:</b>	-20° to +40°C
<b>Switching temperature difference:</b>	app. 0.5 K
<b>Sensor element:</b>	NTC linearised, in housing
<b>Housing material:</b>	Plastic
<b>Protection grade:</b>	IP 54 (EN 60529)
<b>Protection class:</b>	II
<b>Mounting:</b>	wall mounting
<b>Housing dimensions:</b>	90.8 x 90.8 x 53 mm (W x H x D)



## Series HTL 13

### Interval power output

The Hillesheim HTL 13 is suitable for automatic, infinite temperature control of electrical heating systems and devices. The consumer is connected via a built-in flange socket. Infinite temperature control is achieved by automatically switching the electrical supply on and off in precise time intervals. The operating time of the power supply can be infinitely set using the control knob on the power output. This means that with a low setting the power output cycle is short on – long off, with a higher setting the power output cycle is short off – long on.

<b>Operating voltage:</b>	230 V ~, 50 / 60 Hz
<b>Controllable heat rating:</b>	2990 W (max. 13 A)
<b>Temperature setting:</b>	Control knob / scale
<b>Switching cycle:</b>	Depending on setting 10 - 80%, or max. 100%
<b>Protection class:</b>	I
<b>Protection grade:</b>	IP 54 (EN 60529) in plugged condition



<b>Power cable:</b>	
<b>Length:</b>	1.3 m
<b>Plug type:</b>	Euro 16 A
<b>Steckerdose:</b>	Hirschmann STAKEI 200, 2 + PE
<b>Housing:</b>	Polycarbonate, grey
<b>Dimensions:</b>	80 x 80 x 80 mm (W x H x D)