



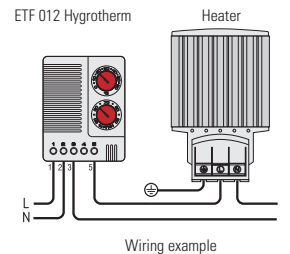
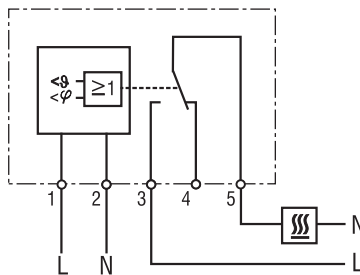
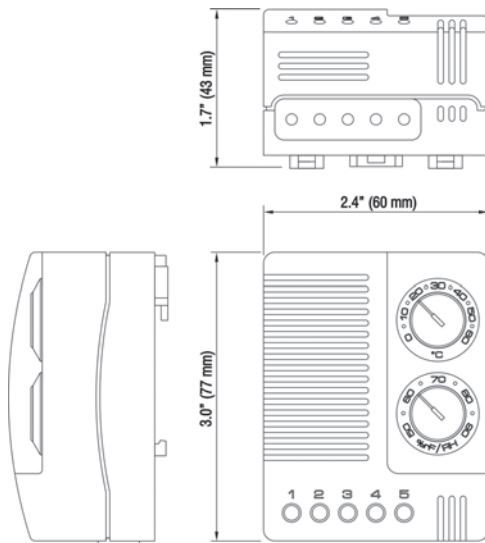
- Efficient temperature & humidity control**
- Wide adjustment ranges**
- High switching capacity**
- Optical function displays (LED)**
- DIN rail mountable**

The ETF 012 senses the ambient temperature and relative air humidity. Depending on which contact combination is chosen, it then turns on or off a connected device if either the temperature is below or the humidity is above the set point. The integrated LED in each adjustment knob is lit when indicating the active function.



### Technical Data

<b>Switching difference - temperature</b>	3.6°F (2K) ± 1K tolerance - at 77°F (25°C) and 50% RH
<b>Switching difference - humidity</b>	4% RH ± 1% tolerance - at 77°F (25°C) and 50% RH
<b>Response time - humidity</b>	approx. 5 sec.
<b>Contact type</b>	SPDT / change-over contact (relay)
<b>Contact resistance</b>	< 10mΩ
<b>Service life</b>	NC: > 50,000 cycles NO: > 100,000 cycles
<b>Max. switching capacity</b>	NC: 6A resistive / 1A inductive @ 120VAC NO: 8A resistive / 1.6A inductive @ 120VAC NC: 6A resistive / 1A inductive @ 240VAC NO: 8A resistive / 1.6A inductive @ 240 VAC 4A @ 24VDC
<b>EMC</b>	acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3
<b>Connection</b>	5-pole terminal, clamping torque 0.5Nm max.: solid wire - AWG 14 max. (2.5mm <sup>2</sup> ) stranded wire (with wire end ferrule) - AWG 16 max. (1.5mm <sup>2</sup> )
<b>Housing</b>	plastic, UL 94V-0, light grey
<b>Mounting</b>	clip for 35mm DIN rail, EN 60 715
<b>Mounting position</b>	vertical
<b>Operating temperature</b>	+32 to +140°F (0 to +60°C)
<b>Storage temperature</b>	-4 to +176°F (-20 to +80°C)
<b>Dimensions</b>	3.0 x 2.4 x 1.7" (77 x 60 x 43mm)
<b>Weight</b>	approx. 7 oz. (200g)
<b>Protection type</b>	IP20



Wiring example

Part No.	Operating voltage	Setting range - temperature	Setting range - humidity	Approvals
G 01230.0-00	230VAC, 50/60Hz	0 to 60°C	50 to 90% RH	UL File No. E164102, VDE
G 01230.0-01	230VAC, 50/60Hz	32 to 140°F	50 to 90% RH	UL File No. E164102, VDE
G 01230.9-00	120VAC, 50/60Hz	32 to 140°F	50 to 90% RH	UL File No. E164102
G 01230.9-01	120VAC, 50/60Hz	0 to 60°C	50 to 90% RH	UL File No. E164102