The electronic hygrotherm senses the ambient temperature and relative humidity in an enclosure with electric/electronic components, and turns on a heater (or alternatively, a fan) at either set point, helping prevent the formation of condensation in the enclosure. The LED integrated in the adjustment knob on the active controller is lit when the connected device is in operation.

**SPECIFICATIONS**

**Switch Difference (Temperature):**
2K (±1K tolerance) at 25°C (77°F) (50% RH)

**Switch Difference (Humidity):**
4% RH (±1% tolerance) at 25°C (77°F) (50% RH)

**Reaction Time (Humidity):**
Approximately 5 sec

**Contact Type:** Change-over contact (relay)

**Contact Resistance:** <10 mΩ

**Service Life:**
- NC: >50,000 cycles
- NO: >100,000 cycles

**Max Switching Capacity:**
- 24 Vdc, 4 A
- Relay NC: 240 Vac, 6 (1) A output
- Relay NO: 240 Vac, 8 (1.6) A output
- NC: 120 Vac, 6 (1) A
- NO: 120 Vac, 8 (1.6) A

**EMC:** Acc. to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3

**Optical Indicator:** LED

**Connection:** 5-pole terminal, clamping torque 0.5Nm max; rigid wire 2.5 mm² (0.10 in²) stranded wire (with wire end ferrule) 1.5 mm² (0.06 in²)

**Mounting:** Clip for 35 mm (1.4”) DIN rail, EN50022

**Casing:** Plastic according to UL94 V-0, light gray

**Dimensions:** 77 x 60 x 43 mm (3.0 x 2.4 x 1.7”)

**Weight:** Approx. 0.20 kg (7.1 oz)

**Fitting Position:** Vertical

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**To Order**

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<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>ETF01230900</td>
<td>Humidity and °F temp control, SPDT, 32 to 140°F, 50 to 90% RH, 100 to 240 Vac</td>
</tr>
<tr>
<td>ETF01230000</td>
<td>Humidity and °F temp control, SPDT, 0 to 60°C, 50 to 90% RH, 100 to 240 Vac</td>
</tr>
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</table>

*Ordering Example: ETF01230900, electronic hygrotherm.*