

ELECTRONIC HYGROSTAT

DCF 010 | DC 20 to DC 56 V



2.09" (53mm)

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- > High DC switching capacity
- > Adjustable humidity
- > Small hysteresis
- > Optical operating display (LED)
- > Integrated switch module
- > Precise measurement via an external sensor

The electronic DC hygrostat with integrated switch module is used to control heating and cooling equipment, filter fans or signal devices through the relay. The hygrostat measures the relative humidity and can switch a signal current via an internal relay. The external sensor can be positioned freely anywhere in the control cabinet for precise measurement of the atmospheric humidity. Additionally, this hygrostat is available in versions that not only measure the relative humidity via the external sensor, but also the temperature.

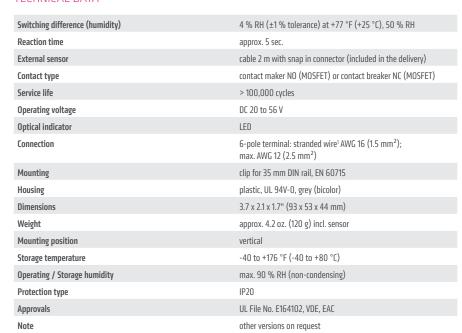




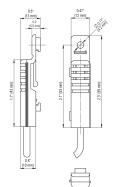






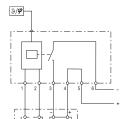


When connecting with stranded wires, wire end ferrules must be used.

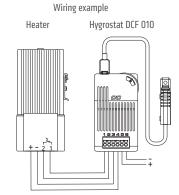


1.73" (44mm)

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Wiring diagram



Part No.	Max. switching capacity (relay output)	Operating temperature	Primary switching function setting range humidity	Secondary switching function ² Switch-on temperature	Contact (primary)
01012.0-20	DC 15 A	-22 °F to +104 °F (-30 °C to +40 °C)	40 to 90 % RH	+41 °F (+5 °C) pre-set	Contact maker (NO)
01012.0-21	DC 13 A	-22 °F to +122 °F (-30 °C to +50 °C)	40 to 90 % RH	+41 °F (+5 °C) pre-set	Contact maker (NO)
01012.0-22	DC 11 A	-22 °F to +140 °F (-30 °C to +60 °C)	40 to 90 % RH	+41 °F (+5 °C) pre-set	Contact maker (NO)

² Versions with secondary switching function can also register the temperature and therefore offer an additional protection for electronics. Switching difference: 3 K (±1 K tolerance) at +77 °F (+25 °C), 50 % RH.