DEVIreg™ 316

DEVI® по Danfoss

Make it easy,
make it DEVI

The **DEVIreg™ 316** is an simple electronic thermostat with enhanced functionality which can be installed in electric cabinets with DIN rail attachment. The thermostat is mainly used for frost protection on roofs, in gutters and downpipes. Additionaly it can be used to control room and floor temperature, ventilation, cooling or to the control of snow melting on ground, pipe tracing and similar installations. The main features of the thermostat is temperature range mode – with setting both an upper and a lower temperatures in between which the thermostat allows the system to heat. This mode is used primarily for controlling Frost Protection systems on roofs, in gutters and downpipes (an external outdoor air sensor must be used).
The thermostat is equipped with 2 additional buttons to adjust the hysteresis and the temperature value for levering in economy periods (an external timer must be used).
The thermostat has relay with 2 contact pairs - NO (normally opened) and NC (normally closed), and it is supposed to use thermostat for heating and cooling systems. Additionally NO and NC contact pairs are not wetted by a voltage source inside thermostat and can be used for control systems with any voltage up to 250 V.
It is designed so that the sensor circuit is galvanically separated from the high voltage part.

Benefits:

- Night set-back
- Minimum temperature limiter
- Adjustable hysteresis
- DIN rail attachment
- Low standby consumption
- Large scope of application
- Protective separation

Standard compliance:

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

Compliance symbols:

UA.TR.089 CE

2 YEAR WARRANTY   Product

Type	Value
Operation voltage	220 - 240V~ 50/60 Hz
Standby power consumption	max. 0,25 W
Resistive load	Max. 16 A, 3680 W @ 230 V
Inductive load	max. 1 A, cos φ = 0,3
Hysteresis	0 °C to 6 °C
Ambient temperature	-10 °C to +45 °C
Lowering in economy periods	0 °C to 8 °C
Cable specification for connector terminals	Max: 1 x 4 mm² or 2 x 2.5 mm²
Temperature range	-10 °C to +50 °C
Minimum temperature range	-10 °C to +5 °C
Controller type	1 B
Storage temperature	-25 °C to 60 °C, 90% RH non-condensing
IP class	IP 30
Protection class	Class II - ▣
Dimensions (H/W/D)	85 x 52 x 58 mm
Weight	180 g
Marking	D316

Types: DEVIreg™ 316

Item no.	Product name	Temperature range	Sensor type	EAN no.
140F1075	**DEVIreg™ 316**	-10 °C to +50 °C	Wire sensor, 3 m, NTC 15 kOhm at 25 °C	5703466209240

Accessories

Item no.	Product name	Description	EAN no.
140F1096	**Outdoor sensor IP44**	80 x 50 x 35 mm, NTC 15 kOhm at 25 °C, IP 44	5703466209691
140F1091	**Sensor cable 3 m, 15 kOhm, Santoprene**	Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø5 mm, black Santoprene (TPV) outer sheath, IP 67	5703466209301
140F1098	**Temperature Sensor 10 m NTC 15k Santoprene**		5703466210734
19121445	**Sensor cable 40 m, 15 kOhm, Santoprene**		5703466115015
140F1092	**Outdoor sensor 2,5 m, 15 kOhm, PVC**	Wire sensor, 2x0,75 mm², NTC 15 kOhm at 25 °C, Ø10 mm, white PVC outer sheath, IP 67	5703466209318

Connection scheme