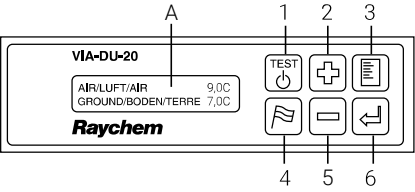


Control Unit VIA-DU-20

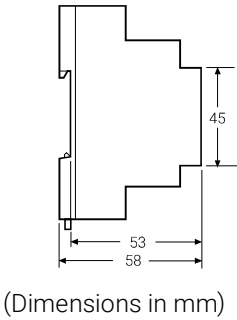
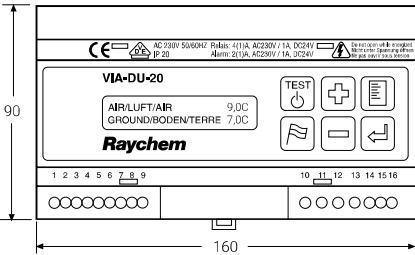
1. LAYOUT



A. Display, illuminated (parameter and fault conditions)

1. Testing the device / switch on the heating output
2. Increasing the value selected, changing settings (forwards)
3. Selecting a menu
4. Selecting a language
5. Reducing the value selected, changing settings (backwards)
6. Confirm the value selected, select the next value and responding to fault messages

1. TECHNICAL DATA



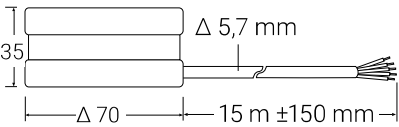
(Dimensions in mm)

Operating voltage	230 Vac, ±10 %, 50/60 Hz
Power consumption	14 VA max.
Main relay (heating)	I _{max} 4(1)A, 250 Vac SPST, voltfree
Alarm relay	I _{max} 2(1)A, 250 Vac SPDT, voltfree
Switching accuracy	±1 K
Display	Point matrix, 2 x 16 places
Assembly	DIN rail
Housing material	Noryl
Terminals	0.5 mm ² to 2.5 mm ²
Protection	IP20/class II (Panel mounted)
Weight	750 g
Temperature resistance	0°C to +50°C

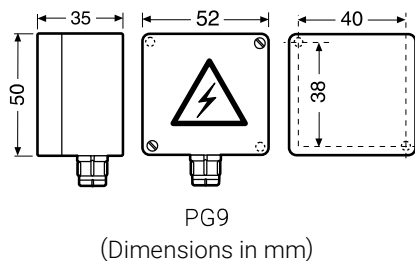
Main parameters	
Temperature at which device comes on	1°C to +6°C
Moisture at which device switches on	Off, 1 (moist) to 10 (very wet)
Post-heating period	30 to 120 min. (heating on)
Base temperature	Off, -15°C to -1°C
Freezing rain warning	Local detection, weather service, off
Overruling	Off, on, BMS

If there is a power failure, all parameters remain saved in the memory

2. GROUND TEMPERATURE AND MOISTURE SENSOR VIA-DU-S20

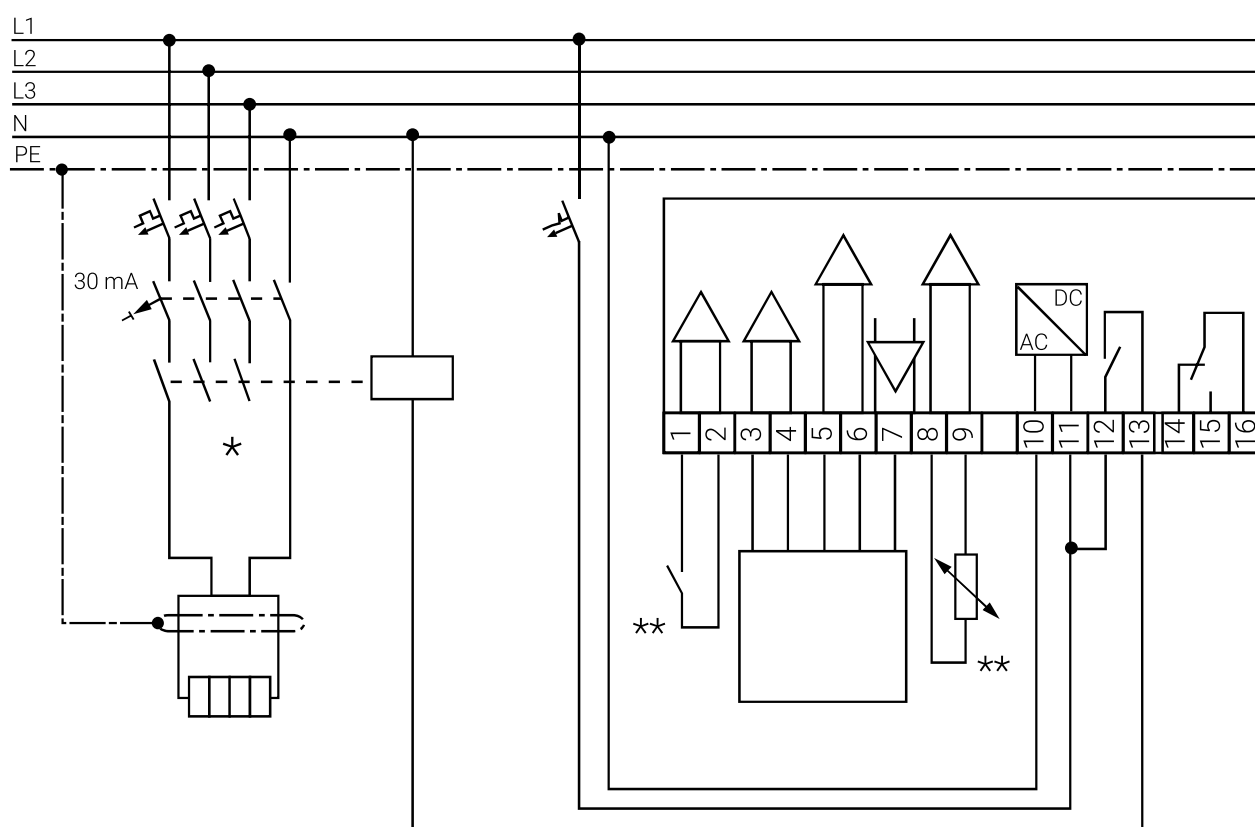


Voltage	8 Vdc (via control device)
Type of sensor	PTC
Protection	IP65
Diameter of lead	5 x 0.5 mm ² , 5.7 mm diameter.
Length of lead	15 m, can be extended to 50 m (5 x 1.5 mm ²)
Temperature resistance	-30°C to +80°C



Sensor type	PTC
Ingress protection	IP54
Terminals	1.5 to 2.5 mm ²
Sensor cable	2 x 1.5 mm ² , max. 100 m (not included)
Exposure temperature	−30°C to +80°C
Mounting	Wall mounting

* Installation not mandatory if “Sleet precaution” is not set to “Auto”.



- * Local values, standards and rules require two- or four-pole switching using a electrical protection
- ** Depending on the application, both one- and three-pole circuit breakers or contactors are possible.
- *** Optional and can be activated in a BMS.

Air temperature sensor will be needed only if in menu sleet precaution the parameter "local detection" has been selected. When weather forecast has been selected you have to connect the voltfree contacts of additional device to these terminals.