

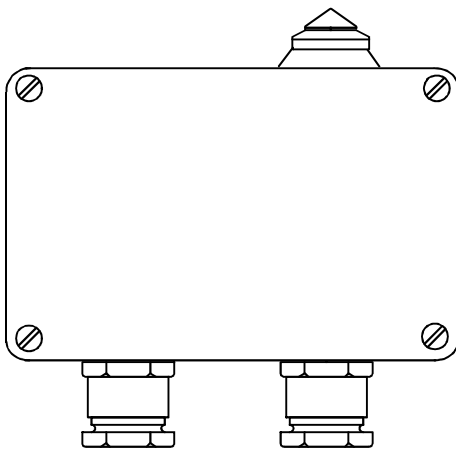
## RAIN DETECTOR RD203

As the gamma dose rate increases with on setting rain (see graph on second page) the detection of precipitation enhances the accuracy and reliability of a gamma monitoring installation. The rain detector RD203 is suitable for the detection of even small quantities of rain or snow. The conical sensor element detects moisture if its isolated gap is bridged. Internal heating holds the sensor head at a constant temperature to normally keep the surface dry and free of ice. Due to the conical shape, the likelihood of false indication caused by external contamination is minimized.

Apart from a useful accessory to the intelligent gamma probes IGS411, IGS421 and IGS510 the RD203 can also be used as an independent precipitation detector. Compared to the RD200 a slightly bigger housing is used, which leads to a simplified installation of the RD203, while all other performance remains unchanged.

For the AGS421 monitoring station RD203 is integrated into the probe housing (on the top of the detector housing) as an "integrated solution".

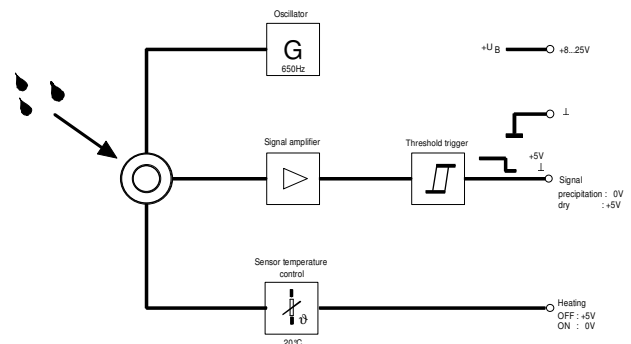
### RAIN DETECTOR RD203



### APPLICATIONS

- Supplement to measurement of local dose rate
- Application in weather stations
- Supplement to environment monitoring institutions

### FUNCTION DIAGRAM



### TECHNICAL DATA RD203

Operating temperature	-40°C...+70°C
Power supply	8 V...25 V
Input (TTL signal)	Heating on/off
Output (TTL signal)	Rain yes/no
Remote control	Switch ON / OFF
Remote control heating	Switch ON / OFF
Current with / without heating	100mA max. / 5mA
Start heating from Temp.	< 20°C
Heating temperature sensor	depending on external T.
Dimensions	80 x 57 x 125 mm
Weight	460 g
With 1.5 m cable for connection to gamma probes of type IGS	

Gamma Dose Rate and Rain in Kirchseeon in April 1995, Probe Type IGS421B

