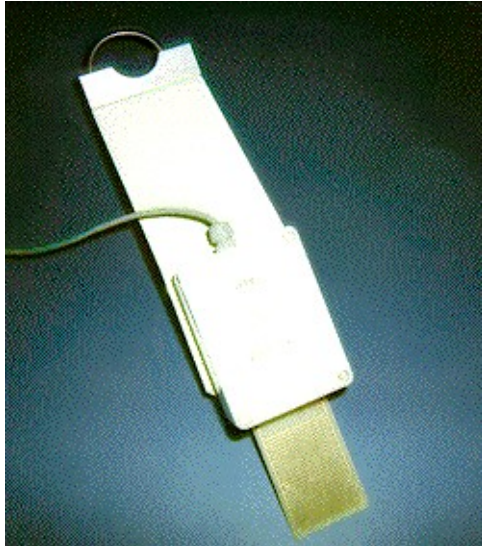


DETEKTOR PADAVIN DVL 142/G

FEATURES:



The DVL 142/G Precipitation detector is a modified version of the DVL 142 sensor. Its intended use is to detect precipitation. The built in heater unit prevents precipitation from permanently sticking to the sensing elements, which would stop accurate reporting.

The DVL 142/G unit is made from three separate parts: The electronics, the heating unit and the detector itself. The detector is made from two interleaved conductive comb-like structures (Gold plated) on an insulating base. Any drops of moisture between the prongs of the »comb« changes the conductance between the combs, which can be detected by the electronic circuit. A heating foil is built into the base beneath the comb structures, which assures constant accurate reporting. The heat is sufficient to cause drops of

rain or dew to evaporate.

The output of the sensor is a digital logical signal: Precipitation/no precipitation. The sensitivity of the electronic circuit can be adjusted in discrete steps.

TECHNICAL DATA

Detector:	Gold plated interleaved comb on laminate
Heater:	Foil type; 5W
Heater power-on:	Electronic, timed
Output:	Logical signal 0 – 5 V
Sensitivity:	adjustable
Power supply:	+12Vdc
Working temperatures:	-30°C to +50°C
Mere:	95 mm x 65 mm x 400 mm
Material:	UV resistant plastic, aluminium, fibreglass laminate