Positive events...
in the form of sunshine trigger the three identical sensor elements' quick response.
The elements themselves are absolutely immovable and thus guarantee maintenance-free operation, extreme robustness and longevity.
In all latitudes – without regard to the geographical position – the sensor is easy to install. In ice and snow, the system's optional two-phase heating makes various applications possible.
The amount of sunny hours per day is as interesting as the possibility to automatically control sun shades.

- determination of sunshine duration by external data logger and software
- sunshine = direct radiation minus diffuse radiation ›120 W/m²

agricultural meteorology • weather services for climate charts and tourist information • health care • climate categorization of health resorts • building systems

Professional Line	**(16201) Sunshine Duration Sensor**	**Id-No. 00.16201.000 004**
Measuring element:	3 photo-diodes with equal sensitivity • opto-thermal	
Measuring range:	sunshine yes or no • spectral range 0.4...1.1 µm	
Range of application:	temperatures -30...+70°C	
Response threshold:	120 W/m² (WMO reference)	
Output signals:	0 V_{DC}: no sunshine • 1 V_{DC} ± 0.1 V: sunshine	
Supply voltage/ Power:	without heating: 12 ± 3 V_{DC}/ ‹ 10 mA •	
	with heating (optional):	
	level 1 for defrosting of dew 12 ± 3 V_{DC}/ 1 W (nominal) •	
	level 2 for de-icing of snow 12 ± 3 V_{DC}/ 10 W (nominal)	
Dimensions/ Weight:	L 210 mm · Ø max. 72.5 mm · cable length 3 m · 0.9 kg	

LAMBRECHT