

Compact and well proven present weather visibility sensor specially selected to be integrated in the Orga Aviation obstruction light systems, which are required to adjust the operating intensity of the obstruction light in accordance with present visibility conditions.



Key features

- 3 levels of visibility ranges used to control the light intensity
- Selectable measurement range 10m – 75km (at time of ordering)
- Easy installation
- Supplied with pre-mounted Orga cable for easy installation and high reliability ready for use
- Robust housing, suitable for offshore use
- No dew heaters
- De-icing heaters
- Made in Europe

Standards / certification

- Complies with generic EMI (NEN-EN-IEC 61000-6-2) and EMC (EN 61326) RF immunity and emission standards

Performance characteristics

- Back scatter operating principle
- Measurement time interval 10–300 seconds (default 60 seconds)
- Visibility < 5 km = 100% intensity
- Visibility between 5 and 10 km = 30% intensity
- Visibility > 10 km = 10% intensity

Electrical characteristics

- Operating voltage: 120-240Vac nominal 50-60Hz
- Power consumption: See table

Physical characteristics

- Operating temperature range: -40 °C to +60 °C
- Design degree of protection: IP66
- Material: powder coated aluminium
- Weight: 5 kg
- Dimensions (L x W x H): 811 x 270 x 375 mm
- Shipping information: 920 x 350 x 480 – 13kg (including Strobeline cable)
- Cable bending radius = 120mm
- Outer cable diameter \varnothing 14.5 +/- 0.5mm

System design, control and monitoring

- Designed to be used in combination with the Orga CIP controller unit. Obstacle light intensity on several turbines can be controlled using data from one visibility sensor.

Type	Visibility information	Present weather information
SWS050-N-AC	X	-
SWS200-N-AC	X	X

Type	Power consumption normal operation (no dew window heaters ON)	Power consumption de-icing heaters (added to normal operation power consumption)
SWS050-N-AC	11W	39W
SWS200-N-AC	11W	39W

