

GREENNODE

GN100 SERIES

The GreenNode GN100 series device is intended for continuous monitoring of environmental parameters such as temperature, humidity, atmospheric pressure and ambient noise level. The main purpose of the device is data collection within Smart Street lighting networks as well as functioning as an independent measuring device.

The GreenNode design was based on Echelon's LonWorks technology. It utilizes PowerLine communication - communication over 230VAC power lines. It allows to cut virtually all installation costs as there is no need to build additional infrastructure.

In order to provide quick and easy installation the GreenNode is mounted in a standard NEMA socket (widely used standard in lighting installations). At the same time, the device's software is fully compatible with LonMark standard, making integration with other systems based on the same standard very simple.

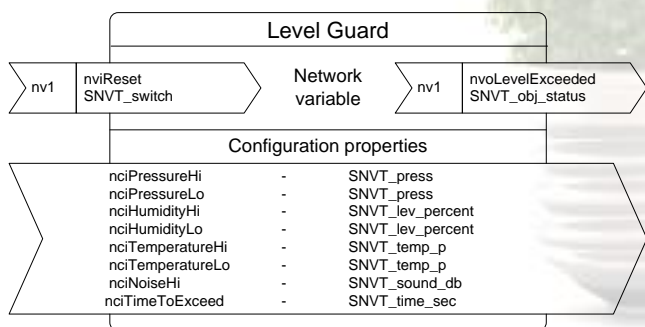
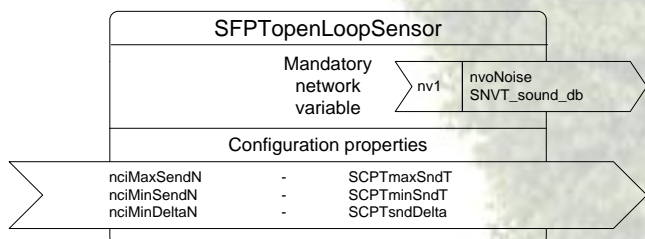
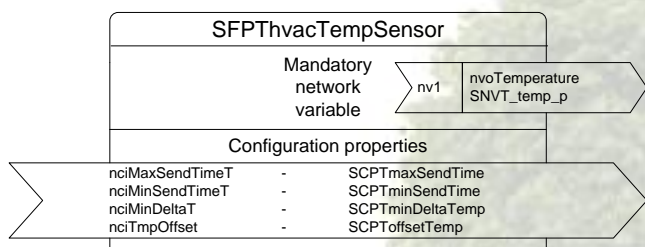
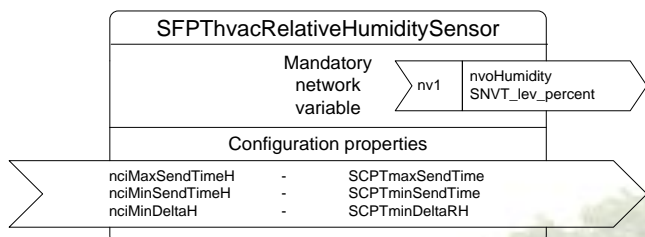
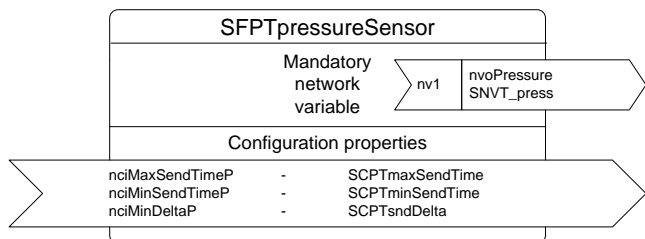
The essential characteristic of smart street lighting systems is adjusting lighting parameters to the current road conditions. Providing up to date information regarding environmental parameters is crucial to implement this function. GN100 series devices are designed to provide a wide range of up to date information to allow the best system adaptation. This enables implementation of energy saving algorithms at the same time providing optimal street lighting parameters in accordance with Smart City concept.



Advantages:

- ✓ Temperature measurement - range: -25°C to 85°C, accuracy: ± 1°C
- ✓ Humidity measurement - range 0% to 100% of relative humidity, accuracy: 5%
- ✓ Atmospheric pressure measurement - range: 50kpa to 115kpa, accuracy: 1kpa
- ✓ Ambient noise measurement - range: 60dB to 130dB
- ✓ Low installation costs - communication through 230VAC power lines
- ✓ Installation in standard NEMA socket
- ✓ Network firmware updates
- ✓ LonWorks compatibility
- ✓ LonMark compatibility

LonMark objects:



Features:

- Input voltage: **230VAC**
- Housing: **IP34**
- Transmission: **CENELEC C EN50065-1**
- **CE** (EN61547, EN55022)
- Mount: **NEMA socket**
- Dimensions: **φ80x70**
- Weight: **200g**
- Operating temperature: **od -40°C do 60°C**