

## GREEN VOLTAGE CONTROLLER GVC 10

On account with Directive (2007/32/WE) of European Parliament and Commission Regulation (245/2009 and 347/2010) as of 2017 all the common electromagnetic ballasts will no longer be authorized. This is due to their poor energy efficiency and negative effect on the power network. They will be replaced with more efficient electronic ballast which - owned to the PFC system - will not consume reactive power.

One of the advantages of electronic ballasts is their invulnerability to input voltage variances but at the same time that is what traditional central power reduction systems are based on. As a result it is now impossible to install modern luminaires with electronic ballasts or LED lamps. In the nearest future end users will have to do without basic functionality of central power reduction systems.

APANET Green System put much thought into that and created Lightning Controller GVC-10 which works based on the supply voltage measurements. Device that allows using not only HPS and MH ballasts but also LED power supplies with their full functionality in networks with central power reduction.

The controller GVC-10 controls luminaire using interface DALI or 1-10V - based on the current measurement of input voltage. As a result modern luminaire works as a traditional one while retaining its advantages.



### Advantages:

- ▲ Allows using modern electronic ballasts and LED power supplies in networks with central power reduction
- ▲ Works as the traditional electromagnetic ballast
- ▲ 2 interfaces: DALI i 1-10V (parallel)
- ▲ Comfortable size
- ▲ Can be install in the luminaire

### Properties:

- ▲ Power supply: 110VAC-250VAC
- ▲ Enclosure: IP67
- ▲ Interface: DALI i 1-10V
- ▲ Connectivity: clamps 2,5mm<sup>2</sup>
- ▲ Ambient temperature: -40°C do 80 °C.
- ▲ Dimensions [mm]: 66x80x30
- ▲ Weigh: 180g

### Connectivity diagram:

