

Operation Description:

The Micro Sensor SU-6E-2W is powered through a DALI compliant power supply. On board DC-DC converter which accept supply voltage from 9.5VDC to 22.5VDC, down converts the input voltage to 3.3VDC. The 3.3VDC is used to power IEEE 802.15.4 compliant radio, BLE Radio, (Passive Infra-Red) PIR sensor and Ambient light sensor (ALS). Motion detection data captured by PIR sensor is processed locally and is transmitted over the network via IEEE 802.15.4 compliant radio. In addition to the occupancy information, data captured by ALS sensor is used to detect ambient light conditions. Both this information is used for autonomous control of light fixture. BLE radio is used to receive and transmit beacons to BLE tags and other assets.