



# Matrix



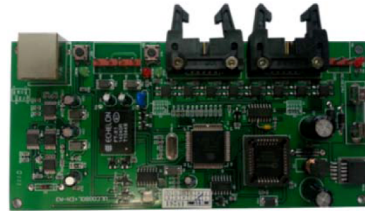
## U0080L Controller

### Application

- Programmable for controlling of zone lighting with EnOcean wireless technology.

### Features

- Communication Standard ISO/IEC 14908-1 and EN14908.1 ANSI 709.1 and 709.3 Free Topology, TP/FT-10, 78Kbps
- Neuron 3150 Processor
- Wireless Communication Standard 315 MHz according to FCC regulation CFR-47 Part 15
- Transceiver range: up to 30 meters in buildings and 300 meters in free field
- Non Volatile memory for program and configure properties storage.
- 8 digital outputs to activate relay (24V AC/DC) up to 8 lighting circuits.
- Each lighting control can be controlled by combination of occupancy sensor, lux sensor or manual override command.
- Online firmware Upgrade and Configuration



The U0080 is a LomMark® compatible controller which can work as stand-alone controller or as one of the controllers in a LonWorks® network.

It supports 8 digital outputs which can be individually configured to receive wireless signal from EnOcean powerless devices, such as Rocker Switch, Key Card, Lux Sensor, Occupancy Sensor and etc.

The controller is capable to support the green energy lighting control logic.

With the combination of Occupancy sensor, the controller has the ability to switch On/Off the light automatically depends on the room occupancy.

With the combination of Lux sensor, the controller switches on the lighting if the natural day light drops to certain level of predefined luminosity.

*\* Visual representation shown here of product may differ from actual*



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<b>Technical Specification</b>	
Digital Output	8 channels, 24VAC
Input Power	24 VAC, +/- 5%, 50-60HZ; 24 VDC
Current Requirement	300mA max @ 24VDC
Communication	LonTalk® TP/FT-10 78Kbps;
LonMark® version	3.2
Neuron Type	FT-3150
Wireless Communication	EnOcean technology, 315 MHz according to FCC regulation CFR-47 Part 15
Size & Weight	155mm X 72mm x 15mm, 90gm
Operating Environment	0 - 65 °C , 10-95%RH (Non-condensing)
Cable Type	16-22AWG un-shielded / Belden 8471 un-shielded twisted pair (recommended) for Lon communication run in earthed metal conduit; Multi pair 20AWG shielded for digital outputs; 1.2mm <sup>2</sup> - 1.5mm <sup>2</sup> PVC cable for power input.
Electromagnetic Compatibility (EMC)	CE Standards EN50081-1, EN50082-1

*We have a complete solution package for HVAC control system. Specialized controller modules developed rigorously by our HVAC experts will help to save customers time, money and give users a reliable, safe and energy efficient building automation system.*



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