2 Product Information

2.1 Functional Elements

Figure 1.1 4301PL PWM Adapter

No	Description
1	Output channel for PWM signal output
2	Output channel for relay output
3	90~250VACinput power
4	Reset LED indicator
5	Reset button
6	Service pin indicator
7	Band in use indicator
8	Tx indicator
9	Package Detect indicator
A	Service Pin button

2.2 Variants and Identifications

2.3 Scope of Delivery

3 Installation

This chapter first describes the installation of the device; the installation of the configuration software is described in section 2.4.

4   Device Description

The 4301PL PWM Adapter is an electronic ballast PWM output adapter for LonWorks network in automation. Its peripheral scope has been specially designed for the use as fluorescent light controller for device spreading control of applications such as lighting control.

For the use in lighting the 4301PL realizes one independent output channel with one relay output to control conventional switch.

The LonMark object available per channel flexible use of the 4301PL; Furthermore there are several timer functions for the operation by switch function. The configuration of the lighting control application is effected via a plug-In.

Of course, the 4301PL is also freeing programmable in Neuron C. As a flash module is used the application can be load via the LonWorks network, for the detail please direct contact us.

4.1   Hardware Survey

The 4301PL disposes of one output circuit for each. The output circuit can be controlled individually relay output **5A**@90~250VAC.

4.2   Operation and Display Elements

The 4301PL is fitted with a service button accessible via a small gap on the front panel (see Figure. 1.1, **A**). Activation of the buttons generates a service-pin message transmitted via the LonWorks network. The processor status as well as the service-pin status are displayed by the service LED (figure. 1.1, **6**), which is on while the service button is activated. By use the network management function Wink the service LED flashes.

Furthermore the 4301PL is fitted with a reset LED (figure. 1.1, **6**), displaying the availability of device occur reset. The LED is connection to an I/O pin of the Neuron chip processor.

4.3   Connection Pin Assignment

The following tables show the connector pin assignment of the individual

4.4   EMC

The 4301PL PWM Adapter is a CE certified device according to the regulation 89/336/EEC for electron magnetic compatibility, modified by 92/31/EEC". Concerning the emission it fulfills classification B (living area) according to EN 55022A/B, EN 55011 A/B and EN 50081-1/2 and, concerning the interference sensibility, classification A (industrial area) according to EN 50082-2.

4.5   Technical Specifications

CPU	Echelon Neuron 3120,10MHz	
Memory	4Kbytes flash EPROM,4Kbytes RAM	
LonWorks Transceiver	PL-3120	
Power supply	90~250VAC	
Power consumption		
Connection	Screw less 2.5mm	
Temperature	Operation	0 ~ +50
	Storage	-20 ~ +70
Admitted relative humidity	10 ~ 90%, non condensing	
Dimensions	159 x 27 x 47 mm,	
Mounting	Wall mounting	
Display & Operation	Service-pin and Reset LED indicator and button	
I/O Channels	1 Relay output channel (max. 8Ampl)	
	1 PWM output channel	

Table 3.1 Technical Specification

4.6   Dimensions

Figure 3.5 Device dimensions without plug-screw clamps

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