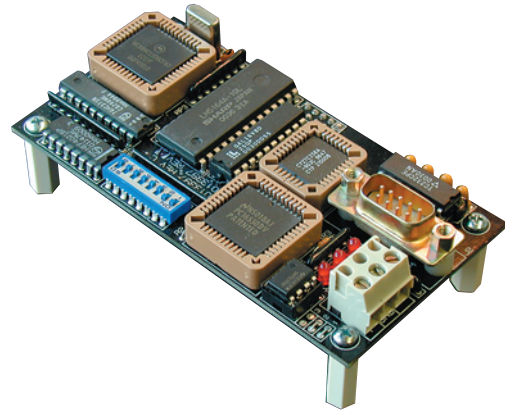




- Uses standard ASCII or RTU control protocol
- Connect directly to the MODBUS RS 485 bus
- Allows status reporting and direct control of relays
- Adjustable protocol settings
- Used in LightMaster Stand Alone, Standard or Extended Network controllers



## Overview

The LightMaster MODBUS interface add-on module can easily be added to any LightMaster programmable lighting control panel to provide for integration to your MODBUS communication and control system, allowing the LightMaster to become a slave node on the MODBUS network.

## Features

### Configuration

- The MODBUS card can be addressed between 1 and 255. The network cable is a RS485 two-wire shielded twisted pair

### Supported Commands

- 01 Read coil status
- 02 Read input status
- 05 Force single coil
- 15 Force multiple coils

### Input and Output Options

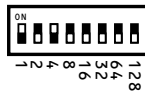
- Normal ON/OFF
- ON/OFF with Timer Options (Blink, Alarm)
- Input Enable/Disable

### Adjustable Protocol Settings

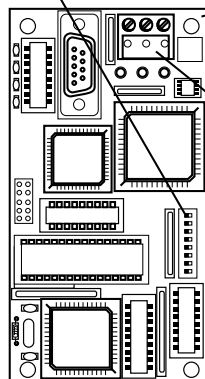
- Protocol: ASCII or RTU
- Baud rate: 4800, 9600, 19200 or 38400
- Parity adjustment: ODD, EVEN, or NONE

For more information refer to Modicon Modbus Protocol Reference Guide (PI-MBUS-300)

### DIP Switch Addressing

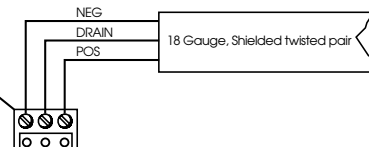
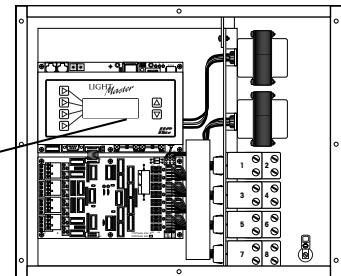


Add the value of each ON switch to determine the address (address 05 shown).



MODBUS Add-on Card

MODBUS Add-on Card mounted on LightMaster Controller (under Keypad/Display)



100 ohm Terminating Resistor (Used only if Light Master Controller is the last device on cable)

MODBUS Set-Up

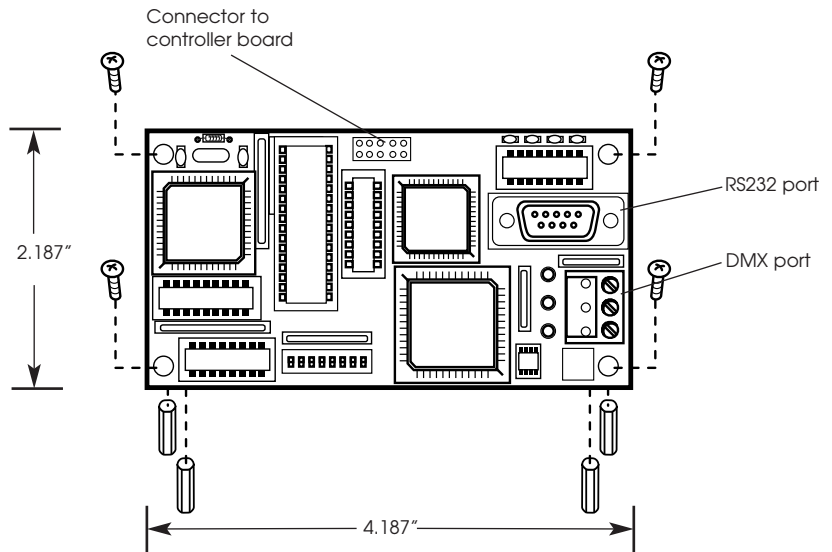
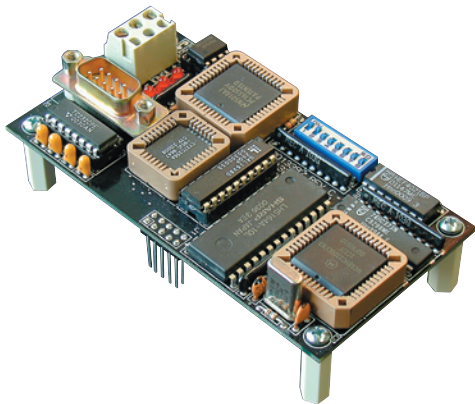
NOTE: The Drain wire must only be connected at one end.

to MODBUS network

FOR USE IN  
**SA SN EN**  
LIGHTMASTER NETWORKS

INTELLIGENT LIGHTING CONTROLS, INC.

5229 Edina Industrial Boulevard  
Minneapolis, Minnesota 55439  
Phone 952 829 1900  
FAX 952 829 1901  
1-800-922-8004  
www.ilc-usa.com



## Specifications

### Physical:

- Plug-in module designed for mounting to LightMaster main board

### Operating Environment:

- Location Interior space
- Operating Temperature 0° to 50° C (32° to 112° F)
- Relative Humidity 10% to 90% Non-condensing

### Certifications:

- UL
- FCC Approval for commercial and residential use

### Configuration:

- DIP switch and soft configuration for Protocol Type, Baud Rate and Parity

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### How to Order

Ordering a **LightMaster MODBUS Add-on Module**

Order No. LMSI-MOD (sample)

**LMSI-MOD**