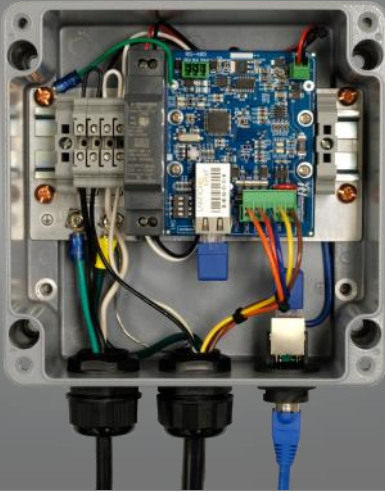


# LCM-1980

Wind Turbine Obstruction Lighting System  
ADLS Light Control Module (LCM)

WHERE ENGINEERING  
MEETS PASSION.™

LCM-1980-ENC



## DESCRIPTION

The **LCM-1980 Light Control Module** allows a single radar system to control ITL 1710 Series Obstruction Lights across an entire wind farm using existing Ethernet TCP/IP Infrastructure. The alarm status of the ITL Obstruction Light can be monitored over the TCP/IP network. The LCM utilizes industry standard Modbus TCP protocol for all functions including ADLS control, alarm monitoring and remote configuration. Indicator LEDs are provided for Flash Inhibit Output and the Dry Contact Alarm input. The LCM-1980-ENC is available housed in a compact NEMA 4X/IP66 enclosure or as a DIN Rail Assembly appropriate for installation in an existing electrical panel.

## Features

- **Modbus TCP Communication** allows for integration into wind farm control systems for ADLS, remote alarm monitoring and configuration.
- **Aircraft Detection Lighting Systems (ADLS)** utilize the LCM-1980 to allow a single radar system to control ITL 1710 Series Obstruction Lights across an entire wind farm using existing Ethernet TCP/IP Infrastructure.
- **Alarm Dry Contact Input** provides remote alarm monitoring capability via Modbus TCP.
- **LCM-1980-ENC** is housed in a compact **NEMA 4X/IP66** die cast aluminum enclosure.
- **LCM-1980-ENC** provides ports for power, one ITL 1710 Obstruction Light Cable, and Ethernet.
- **LCM-1980-000** is a **DIN Rail Assembly** appropriate for mounting in an existing electrical panel.

## Specifications

Temperature: -30°C to +55°C  
Humidity: Less than 95%, non-condensing

LCM-1980-ENC : Length: 7.10in  
(With Enclosure) Width: 7.10 in  
Height: 4in  
Weight: 5.5lbs (2.5Kg)

LCM-1980-000 : Length: 7.10in  
(DIN Rail Assy) Width: 7.10 in  
Height: 4in  
Weight: 1lb (0.5Kg)

Input Power: 120 to 240 Vac, 50 or 60 Hz,  
60W<sup>1</sup> max available power  
(Note 1: At 25°C, 120Vac)

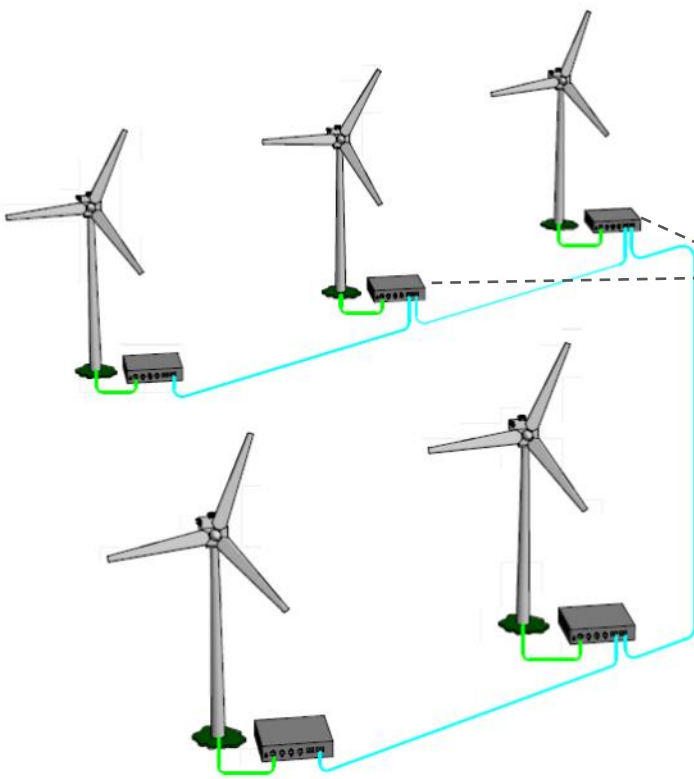


# LCM-1980 Light Control Module

Enables the use of existing wind farm network infrastructure for obstruction light **Radar Control (ADLS)** and remote **Alarm Monitoring**.

Ethernet Switches & Routers

Fiber Optic Cables



The **LCM-1980 Light Control Module** enables ITL 1710 Series Wind Turbine Obstruction Lighting Systems to utilize existing wind farm network infrastructure for Aircraft Detection Lighting System (ADLS or radar) control, remote monitoring of alarm status and remote configuration.

**Aircraft Detection Lighting Systems (ADLS or Radar Control Systems)** utilizes the LCM to control ITL 1710 Series Obstruction Lights across the entire wind farm utilizing existing network infrastructure.

**Modbus TCP protocol** provided by the LCM allows ITL 1710 Series Obstruction Lighting Systems to be integrated into Wind farm control systems. Applications such as remote alarm monitoring, alarm reset, and data collection are supported.

IFH-1710 Series Obstruction Light

LCM-1980 Light Control Module

Existing Network Infrastructure

