

TLACS' Area Dimming Enclosure (ADE)

General Description

The ADE is an integrated control cabinet specifically designed for Area lighting control. The ADE is used in a TLACS-A configuration for controlling and dimming any outdoor area that needs monitoring, energy management and/or increased security.

The ADE switches ON, DIM or OFF every luminaire through a Local Product Controller (LPC). At least 12 stages of dimming/switching can be provided to allow lighting adjustment.

Two main modes of operation are supported. In Automatic mode, the ADE controls the light level based on a set of configuration parameters such as a time-based schedule, powerline motion detector (PLM) and/or a photometer. In Manual mode of operation, the light level can be regulated via an optional Remote-Control Cabinet (RCC).



Features

- Self-commissioning by an electrical contractor with an intuitive Web based user interface for configuration
- Communication over power line to LPCs;
- Manual control through HOA;
- Ethernet or Fiber Optic connection;
- Control up to 256 LPCs per ADE;
- Detection of communications failures;
- Individual control (ON/DIM/OFF) of lamps or groups of lamps (up to 5 groups)
- Work in a 120-277 VAC powerline network (480 VAC optional).



Specifications

Mechanical

Item	Description
Enclosure	Painted steel or Stainless Steel
Dimensions (overall)	Length: 750 mm (30 in.) Width: 600 mm (24 in.) Depth: 300 mm (12 in.)

Electrical

Item	Description
Input Voltage (Nominal)	120-480 VAC (depending on the selected power line channel)
Input Frequency	50/60 Hz
Consumption	Max 325W

Interface

Parameters	Description
Ethernet	RJ45 Interface 10/100 Mbit/s
Fibre Optic	Single or Multimode (LC or SC)

Environmental

Parameters	Description
Operating temperature	-20°C to 60°C
Storage temperature	-30°C to 80°C
IP Rating	IP 66

Standards

Item	Description
Safety standards	CAN/CSA-C22.2 No. 14 UL 508A (2nd Edition)



Product Ordering Information

TLACS-ADE product identification follows the chart diagram below

