

TLACS' Underpass Dimming Enclosure (UDE)

General Description

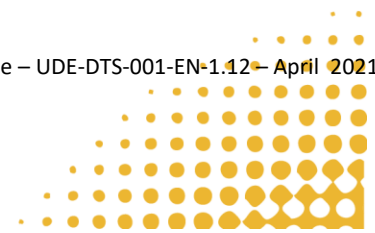
The UDE is an integrated control cabinet specifically designed for underpasses or small tunnels where control is required. The UDE is used in a TLACS-U configuration.

The unit dims LED luminaires through a Local Product Controller (LPC) and monitors its time usage for better management. Up to 12 stages of dimming/switching can be provided to allow lighting adjustment. It reports the status and any predetermined alarm of its group of luminaires. The UDE supports up to 2 sensors simultaneously and comply to a variety of communication protocol such as MODBUS TCP/IP.



Features

- Self-commissioning by an electrical contractor with an intuitive Web based user interface for configuration
- Communication over power line to LPCs, LCAM luminance photometer and/or ILCAM2 illuminance photometer
- Manual control through HOA
- Ethernet or Fiber Optic connection
- Control of up to 256 LPCs per UDE
- Communication failure detection
- Work in a 120-277 VAC powerline network (480 VAC optional).
- Inputs for external sensors (RS-485 Luminance and/or illuminance Photometer and/or any other standard photocell)
- Communication
 - MODBUS TCP/IP
 - Local Remote Control



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 (as per the selected part number)
Input Frequency	50/60 Hz
Consumption	Max 325 W

Interface

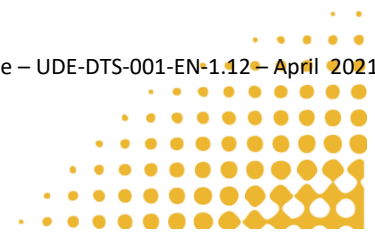
Parameters	Description
Ethernet	RJ45 Interface 10/100 Mbit/s
Fibre Optic	Single or Multimode (LC or SC)

Environmental

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

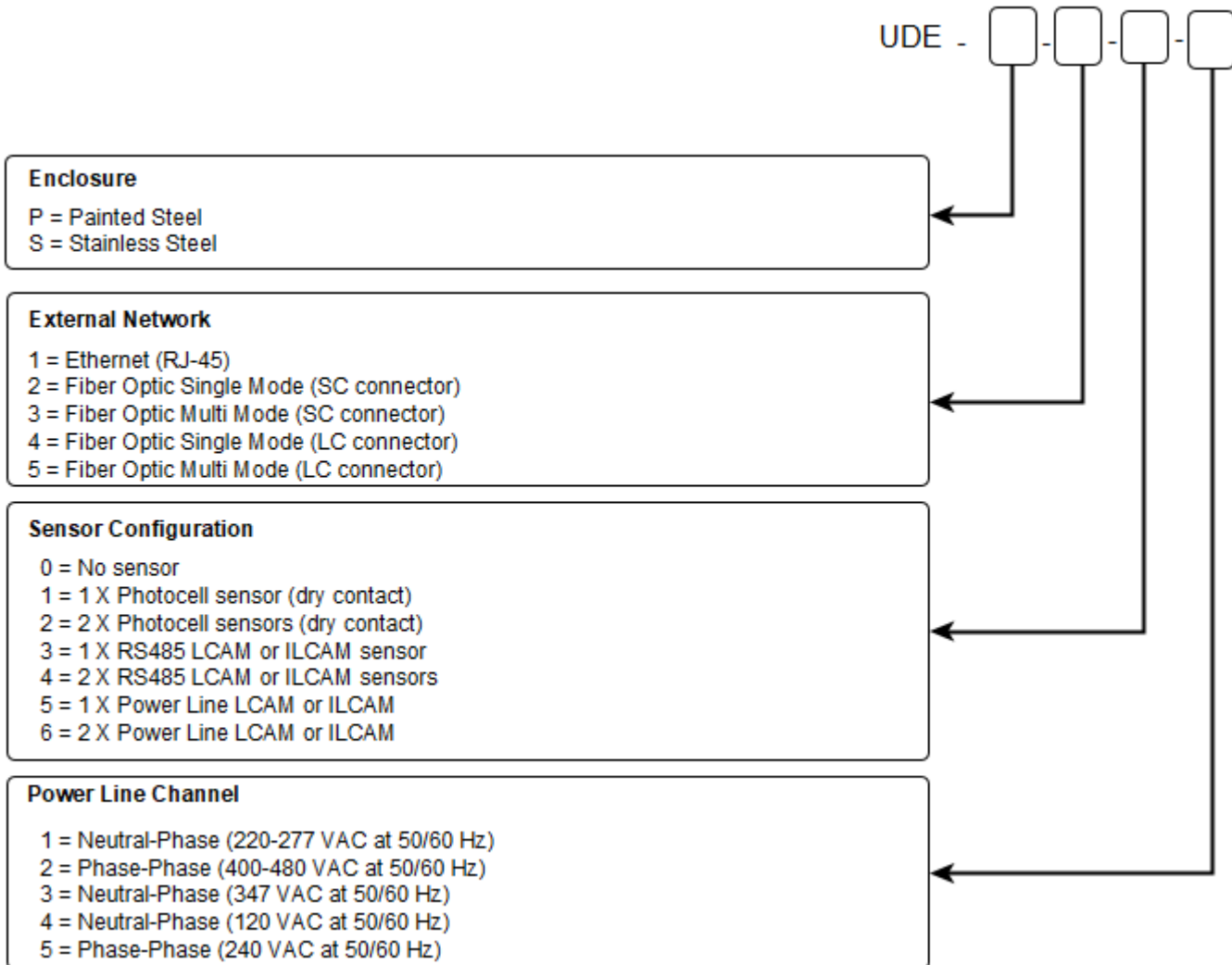
Standards

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



Product Ordering Information

TLACS-UDE product identification follows the chart diagram below



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Specification subject to change without notice – UDE-DTS-001-EN-1.12 – April 2021

