



nLight® Digital Time Clock



Designing with the nLight Lighting Controls Platform

When to Design with nDTC

The nDTC offers the best solution for a cost-effective time-based control option to aid in code compliance.

When to Design with the nLight® ECLYPSE™

The nLight® ECLYPSE™ offers the best design solution for more robust features, including:

- Multiple nLight zones
- BACnet®
- Graphics
- Automated Demand Response (ADR)
- SensorView



	Local Networked Solutions			System-Wide Networked Solutions
	Without Time Clock	With Time Clock (nDTC)	With Time Clock (Fresco)	With ECLYPSE Controller (nECY)
Luminaires with Embedded Controls by nLight	●	●	●	●
Manual Dimming	●	●	●	●
Motion Sensing & Daylight Harvesting	●	●	●	●
Plug Load Control	●	●	●	●
Tunable White	●	●	●	●
Astronomical and Time of Day Scheduling		●	●	●
Automated Demand Response (ADR)				●
BMS Integration (BACnet)			●	●
Sitewide Configuration & Management				●

BACnet® is a trademark of ASHRAE.

Designing with the nLight® Digital Time Clock

The Perfect Solution When You Just Need Time-Based Scheduling

The nLight Digital Time Clock (nDTC) delivers smart and simple configuration, control, and scheduling of nLight devices, ideal for small to medium projects. The nDTC offers a cost-effective path towards introducing time-based control in an nLight lighting zone as a wall-mount device, or pre-assembled in an ARP relay panel, thus eliminating the need for complex networked controllers.

Features and Benefits:

- **DIGITAL TIME CLOCK:** Create a schedule to adjust a building's light levels automatically for energy efficiency and aid in code compliance.
- **ON-SCREEN PROGRAMMING AND CONFIGURATION:** Ease of programming without the need for specialized technicians, software, USB, or cable.
- **SCALABILITY:** The nDTC allows you the flexibility to have a standalone solution that scales to a fully networked solution.



nDTC Wall Mount



nDTC pre-assembled in an ARP relay panel


Two Design Options for the nDTC: Wall Mount & Pre-Assembled

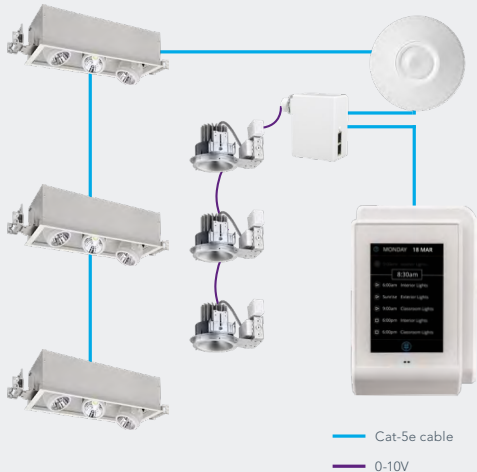
Wall Mount Option

The nDTC can be used as a single-gang wall device to deliver a simple and effective time-based control solution for nLight devices in a lighting zone.

Retail Application Benefits:



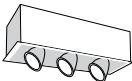

The nDTC delivers a cost-effective way to do time-based controls without requiring an electrical closet. The nDTC provides an easy path to aid in code compliance for your retail project.





— Cat-5e cable
— 0-10V

Bill of Material

Symbol	Qty	Product #	Description
	1	nDTC	Digital Time Clock/Manual Control
	3	nPP16 D EFP	Relay Pack with 0-10v Dimming Output
	3	DCS30 Recessed Multiple	Indy™ Designer Cove™ LED Recessed Multiple with embedded controls by nLight
	3	LRT6	Indy L-Series LED 6" Round Retrofit Downlight with embedded controls by nLight

nDTC Pre-Assembled in ARP Panel

The pre-assembled relay panel with the nDTC offers more robust functionality in spaces requiring full circuit control. The solution delivers support of up to 128 devices in a lighting zone for time-based control and cost-effective sensing, dimming, and switching.

Small Industrial and Parking Lot Applications Benefits:

When you need centralized maintenance, a small footprint with just one box that’s protected from dirt and dust. Avoid the need to have an electrical closet by mounting the ARP Relay Panel with the nDTC pre-assembled onto a wall.



Parking Lot



Cat 5e cable
0-10V




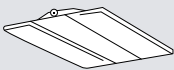


Small Industrial



Cat 5e cable
0-10V

Bill of Material

Symbol	Qty	Product#	Description
	1	nDTC	Digital Time Clock
	1	nPODMA	4-Pole On/Off WallPod
	3	DSX1	DSX1 LED Area Luminaire with embedded controls by nLight
	3	XIB	XIB LED High Bay with embedded controls by nLight

