

inLiNE



 **EDT**
Electronic Design Technology

2004 PRODUCTS

i-LiNE

OVERVIEW - The **i-LiNE** series of lighting control products from **Electronic Design Technology** have been designed for ease of installation, simplicity in programming, speed of configuration, and reliable operation, all at an affordable cost. The **i-LiNE** products eliminate many of the complexities and frustrations associated with the installation and configuration of existing lighting control products. This philosophy has been extended to the user interface allowing simple system programming yet at the same time providing many advanced features only found on much more expensive and complex systems. **The i-LiNE system has been designed so that it can be used as a fully functional lighting control system without the need for a controller.** However a



controller allows the user to unlock many advanced features and allows the **i-LiNE** system to expand its functions beyond lighting control and provides the interface for many automation functions.

INSTALLATION - The **i-LiNE** lighting control has been designed as a distributed control system for control of lighting products and sensors. The **i-LiNE** system uses a 4 pair cable (CAT5 or equivalent) with RJ45 connectors connected in series. The cable may be inserted into either connector reducing errors during installation. The nodes (switches, outlets, sensors, etc..) are all self con-



figuring, the address acquisition and configuration is automatic upon power up with the first node in the chain assigning itself as node number one. (No more turning dials to set a device's address and then having to remember which device was which address). Additional **i-LiNE** devices are easily and quickly inserted into an **i-LiNE** network. The network will automatically configure the new

device upon power up while remembering all previously programmed scenes and settings. Basic programming, like building scenes, can be done through the switch buttons. With a computer connection additional advanced programming like dimmer fade rates, complex scenes, and timed events are added.

SCENES - Scenes are quick and simple to setup and to execute using the **i-LiNE** system. A scene can either be programmed through a controller or setup by the user with only a few button presses. Once setup, a scene will run until a new scene is programmed over the existing scene. Scenes can be setup to include other automation systems through the use of a controller. For example; one button press could set the mood for a movie while another button press could turn on selected lights, arm part of the security system, and set back the temperature.

FEATURES

- Easy to use fully functional lighting control system.
- Intuitive user programming interface, controller optional.
- Complex multi-scene capabilities.
- Unique scene dimming and dim rate tracking features.
- Switches are auto configuring, no more dials to set.
- Ease of installation using CAT5 and RJ-45 connectors.



Applications

There are countless applications for the **EDT's i-LiNE** lighting control system. Some of the most popular applications include convenience, entertainment, security, energy management, and living assistance. The **i-LiNE** lighting control system functions are split into three main areas. These are; local control by the user, extended control which includes scenes and multi-way switching, and remote control by which control is initiated by a timed or triggered event usually initiated by a controller.

CONVENIENCE - setup the **i-LiNE** system to perform multiple tasks with just a button press, thereby accomplishing several actions with the press of a single button or event, - setup a good night scene which slowly dims the bedroom lights allowing you time to get into bed, turns off all remaining lights in the home, makes sure that the

garage door is closed, and turns on the outside security lights. All of this can be done with the simple press of a button.

ENTERTAINMENT - setup the **i-LiNE** system to experience the perfect mood with a single touch. - Want to watch a movie? Quickly setup a scene to turn off the room's main lights and lower selected accent lights. Or, have an automated theater system? Connect the **i-LiNE** system to set the movie scene when the play button for the DVD is pressed.

SECURITY - connect the **i-LiNE** system to your security system to activate scenes when you leave home and set the alarm. Want your house to look like someone's home when you are away? Setup timed* scenes that are activated when the alarm system is armed in a certain mode.



ENERGY MANAGEMENT - start saving money by setting up scenes that turn off lights in unoccupied rooms, or set scenes on timers* that automatically shut off. Studies have shown savings of up to 30-50 percent of the lighting energy consumption. Additional savings result from extended bulb life due to the easy on feature. - Connect **i-LiNE** to your security system and rest easy knowing that when you leave home selected lights are turned off, even those in your kid's closet.

LIVING ASSISTANCE - the **i-LiNE** system is ideally suited for people with disabilities or special needs. It allows you to automate many func-



tions while providing comfort and security. Start using **i-LiNE** to simplify your life both at home or at work and start spending more time on those things that are important to you.

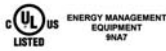
* Timed scenes require an M4t or controller.



Load Switches



i-ON-D - dimmer switch for control and dimming of incandescent loads 600 watts or less.



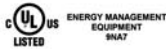
i-ON - relay switch for on/off control of incandescent, fluorescent, resistive, and small motor loads 600 watts, 5 amps, or 1/6 horse power.



Scene Switches



i-ON-MB - multi-button switch for scene control, multi-way switching, electronic binding, and remote control of other *i-LiNE* devices.

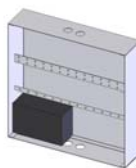


i-ON-Dsl - Slave dimmer switch. Does not control any direct loads, but is used in conjunction with other *i-ON-D* dimmer switches. Can be programmed and operated like any other *i-LiNE* device.



i-ON-sl - Slave relay switch. Does not control any direct loads, but is used in conjunction with other *i-ON* relay switches. Can be programmed and operated like any other *i-LiNE* device.

Mounting Enclosure



i-BoX-2 - rough-in enclosure for the *i-LiNE* panel mounted devices. Fits between two framing studs spaced at 16" centers.

Network Interface Modules



i-PoWER-M1 - Single port network interface module with network power interface and an RS-232 communications port connector. Designed for the smaller *i-LiNE* networks.



i-PoWER-M4 - Four port network interface module with network power interface and an RS-232 communications port connector. Designed for the larger *i-LiNE* networks.



i-PoWER-M4t - Four port network interface module with network power interface, RS-232 communications port, and 32 timers. Designed for the larger *i-LiNE* networks.



i-PoWER-M1p - Single port network interface module with network power interface and an RS-232 communications port connector. Designed for the smaller *i-LiNE* networks. Mounts in the *i-BoX*-(X).



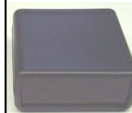
i-PoWER-M4p - Four port network interface module with network power interface RS-232 communications port, and 32 timers. Designed for the smaller *i-LiNE* networks. Mounts in the *i-BoX*-(X).



i-PoWER-XT - network extender, allows the *i-LiNE* branch to be extended for extra long cable runs. Up to two *i-PoWER-XT* modules may be used per *i-LiNE* branch. Requires power supply.



i-PoRT-COM - Local serial port connection. Allows a computer or controller to connect to the *i-LiNE* network. Does not count as an *i-LiNE* device.



i-PoRT-IR - IR to *i-LiNE* connection module. Connects to the *i-LiNE* system through a *i-PoRT-COM* serial port using a null modem cable.



MX-700 - Universal programmable remote control. Can control multiple separate devices. Programmable from a computer through the serial port.

Connection Modules



i-PoRT-C1(x) - Single port contact closure module with independent port control. Available in 1 amp and 5 amp relay configurations. Mounts on the wall or on a shelf.



i-PoRT-C4(x) - Four port contact closure module with independent port control. Available in 4x1 amp, 2x1/2x5 amp, and 4x5 amp relay configurations. Mounts on the wall or on a shelf.



i-PoRT-C1(x)p - Single port contact closure module with independent port control. Available in 1 amp and 5 amp relay configurations. Mounts in the *i-BoX*-(X).



i-PoRT-C4(x)p - Four port contact closure module with independent port control. Available in 4x1 amp, 2x1/2x5 amp, and 4x5 amp relay configurations. Mounts in the *i-BoX*-(X).



Evaluation Kit



Evaluation Kit:
 1 - *i-ON* Relay ON/OFF Switch
 1 - *i-ON-D* Dimmer Switch
 1 - *i-ON-MB* Multi-Button
 1 - *i-PoWER-M1* - 1 Port Network Interface Module
 4 - 4ft Connection Cables
 1 - T-RJ45 Terminator
 1 - Software installation tool

\$ 199.50



i-LiNE was rated as one of the "Top 25 New Product of 2003" by Electrical Contracting & Engineering News. This prestigious award was received on the basis of six key criteria, including innovations, ease of use, value, availability, service support and durability.



i-LiNEexpress yourself



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