EH-8100

Ethernet-enabled Control Panel

NEW

Features

- Affordable and stylish design
- 128 x 64 resolution mono-display
- 10/100Base-T Ethernet support
- RS-232 or RS-485 support
- LonWorks® support
- Built-in temperature sensor
- 5 Functional Keypad Design
- Easy wall mounting or back box mounting system
- Supports Ethernet protocol stack: (TCP, UDP, IP, ICMP, IGMP, ARP)

UL LISTED E180881 CE FCC

Introduction

The EH-8100 Ethernet-enabled control panel is a breakthrough product that brings an all-new operational interface for Ethernet-based control systems or information appliances into the Internet era. With a stylish control panel, the EH-8100 ends the age of walls that are cluttered with switches, control panels, and thermostats. Its wall-mounted design with graphic-mode display is ideal for the kitchen, bedroom, bathroom or office... anywhere you want to control whole-house audio and video, home theater, lighting, security, and HVAC.

The EH-8100 can be fully customized for any control environment and any decor. Graphic icons and programmable "quick" pushbuttons let users easily select and control any function. Using reliable Ethernet connectivity, RS-485 or RS-232 or LON, the EH-8100 lets you monitor, control and operate all home automation or building automation devices or controllers easily with just one finger.
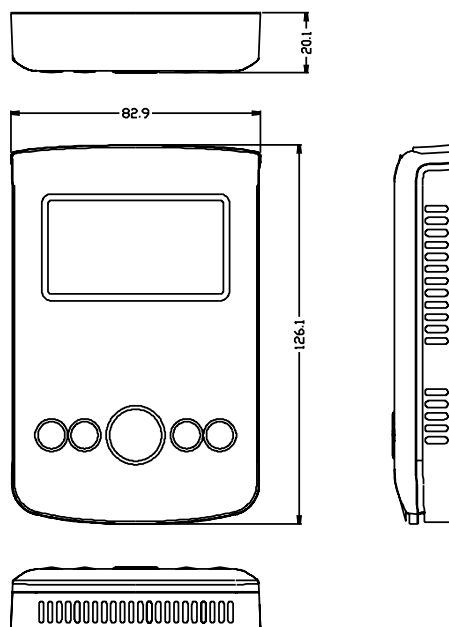
EH-8100's internet/Ethernet connectivity offers the most efficient method of system diagnostics and maintenance, reducing the customer's total cost of ownership.

Specifications

Model Name	Desription	Spec.
EH-8100-LA	Supports LAN	8051 processor with 24/40 MHz performance
		128 x 64 resolution mono graphical display
		Built-in temperature sensor
		5 function keypad design
		Onchip 64 KB flash memory and 512 KB SRAM
		External 32 KB RAM
		Network type: 10Base-T Ethernet
		Supports Ethernet protocol stack: (TCP/IP UDP, ICMP, ARP)
		RJ-45 terminal type connector
		12 ~ 30 V$_{DC}$, 400 mA
EH-8100-RS	Supports RS-485	8051 processor with 24/40 MHz performance
		* 128 x 64 resolution mono graphical display
		Built-in temperature sensor
		5 function keypad design
		Onchip 64 KB flash memory and 512 KB SRAM
		External 32 KB RAM
		Network type: RS-485
		6 wire screw terminal connector
		12 ~ 30 V$_{DC}$, 400 mA
EH-8100-LN	Supports LON	8051 processor with 24/40 MHz performance
		128 x 64 resolution mono graphical display
		Built-in temperature sensor
		5 function keypad design
		Onchip 64 KB flash memory and 512 KB SRAM

Model Name	Desription	Spec.
		External 32 KB RAM
		Network type: FTT-10A 78 Kbps
		6 wiring screw terminal connector
		12 ~ 30 V$_{DC}$, 400 mA
EH-8100-LR	Supports LAN & RS485	8051 processor with 24/40 MHz performance
		128 x 64 resolution mono graphical display
		Built-in temperature sensor
		5 function keypad design
		Onchip 64 KB flash memory and 512 KB SRAM
		External 32 KB RAM
		Network type: RS-485/10Base-T Ethernet
		Support Ethernet protocol stack: (TCP/IP UDP, ICMP, ARP)
		RJ-45 terminal type connector
		6 wire screw terminal connector
		12 ~ 30 V$_{DC}$, 400 mA
EH-8100-LL	Supports LON & LAN	8051 processor with 24/40 MHz performance
		128 x 64 resolution mono graphical display
		Built-in Temperature sensor
		5 function keypad design
		Onchip 64 KB flash memory and 512 KB SRAM
		External 32 KB RAM
		Network type: FTT 10A /10Base-T Ethernet
		Support Ethernet protocol stack: (TCP/IP UDP, ICMP, ARP)
		RJ-45 terminal type connector
		6 wire screw terminal connector
		12 ~ 30 V$_{DC}$, 400 mA

Dimensions

Unit: mm

20.1

82.9

126.1

Applications

The stylish, affordable EH-8100 delivers big performance in a compact package, ideal for:

- Boardrooms
- Conference rooms/centers
- Home automation
- Training rooms
- Lighting control
- Environmental control
- Building automation
- HVAC applications

Service Support

- Welcome OEM/ODM inquiry

Packing List

- Mounting Rack
- CD Utility (include LCM SDK and development Tools)
- User Manual
- Screws
- Connectors

Ordering Information

- **EH-8100-LA**   Supports LAN
- **EH-8100-RS**   Supports RS-485
- **EH-8100-LN**   Supports LON
- **EH-8100-LR**   Support RS-485 & LAN
- **EH-8100-LL**   Support LON & LAN