

\* Try these other fine ELK products \*

**Magic Module Series**

- MM443** Magic Module, 4 Input, 4 Output, Programmable
- MM447** Automation Controller w/Voice, Caddx Interface
- MV480** Recordable Voice Module, 400 Channels
- MKHOME1** Home Control Kit for Caddx NX Controls
- MK400** Starter Kit, Includes MM443 & MK485
- MK485** Programming Kit, MB485, Cables, Software
- MK410** X-10® Transceiver Kit, Programmed MM443
- MK420** iButton™ Access Kit w/ MM443, MA100, MA101
- MA100** iButton™ 'Touchkey' Reader & Interface Pack
- MA101** iButton™ 'Touchkeys', 10 pcs w/keyring holders
- MA290** Proximity / Wiegand Data Interface to MM443
- MB485** Data Bus Interface, RS232 to RS485
- MC100** Clock / Calendar Module for MM443
- ML8** Link Interface to Caddx NX Controls
- MT100** Temperature Sensor Module for MM443
- MM220** Magic Module, 2 Input, 2 Output, Programmable

**Rust Free Sirens / Speakers**

- 1RT** Speaker & Stainless Steel Enclosure
- 150RT** Siren & Stainless Steel Enclosure
- 155RT** Voice Siren in Stainless Steel Box

**Speakers & Sirens**

- 44** Speaker, 30 W, 8 Ohm Compact Horn
- 45** Siren, Compact Horn, 118db
- 55** Voice Siren, Compact Horn
- M120** Siren, Single Tone, 107db, Mini Horn
- SP15** Speaker, 15 watt, Small Horn
- SP30** Speaker, 30 watt, Horn
- SP35** Speaker, 20 watt, Interior
- SP40** Speaker, 40 watt, Horn
- SS15** Siren, Dual Tone, 110db, Horn
- SS30** Siren, Dual Tone, 120db, Horn
- SS36** Siren, Dual Tone, 105db, Interior

**ECHO™ Sirens & Speakers**

- 73** ECHO Speaker, 20 Watt, Interior
- 74** ECHO Dual Tone Siren, Interior
- 75** ECHO Voice Siren, Interior
- 870** ECHO Speaker, Self Amplified

**Siren & Voice Drivers**

- 100** High Performance Siren Driver
- 110** Voice Siren Driver, English & Spanish
- 120** Recordable Voice Module and Siren
- 124** Recordable Voice Module, 4 Channels

**Surge Suppressors**

- 950** Surge Suppressor, Phone & Power Line
- 951** Surge Suppressor, Phone - Single Line
- 955** Surge Suppressor, Phone - Dual Line

**Relay Modules**

- 912** Compact Relay, 12 Vdc, SPDT
- 912B** Heavy Duty Compact Relay, 12/24 Vdc, SPDT
- 924** Sensitive Relay, 12/24 Vdc, DPDT
- 941** Alarm Output Director
- 960** Delay Timer Relay, 1 sec. to 60 min.

**Power Products**

- 1240** Battery, Lead Acid, 12v, 5Ah
- 1270** Battery, Lead Acid, 12v, 8Ah
- 12100** Battery, Lead Acid, 12v, 12Ah
- 12170** Battery, Lead Acid, 12v, 18Ah
- 12250** Battery, Lead Acid, 12v, 25Ah
- P112** 12 Volts DC, 1 Amp Power Supply w/Enclosure
- P124** 24 Volts DC, 800mA Power Supply w/Enclosure
- P1216** 12 Volts DC, 1.5 Amp Power Supply
- P412** 12 Volts DC, 4 Amp Power Supply
- P624** Power Supply & Battery Charger
- PD9** Power Distribution Module
- 965** Low Battery Cutoff and Power Switch
- TRG1640** Transformer, 16.5VAC @ 40 VA
- TRG2440** Transformer, 24VAC @ 40 VA

**Accessories**

- 129** Computer Sound Card Interface
- 800** Audio Amplifier, 10 Watts
- 900-2** "B" Connectors, Unfilled, 500 pcs
- 902-2** "B" Connectors, Gel filled, 500 pcs
- 980** Telephone Line Fault Monitor
- 998** Warning Alarm System Decals
- 999** Double Sided Tape
- SL1** Strobe Light, 4 colors available
- WK1** Wall Mount Kit for SL1 Strobes

For more information contact your local Distributor or:  
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<http://www.elkproducts.com> Email: [info@elkproducts.com](mailto:info@elkproducts.com)

*Magic Module Series*

# Temperature Sensor ELK-MT100

**APPLICATION:**

The ELK Temperature Sensor allows the ELK Magic Module (ELK-MM443(S)) programmable controller to monitor ambient temperatures and control functions through programming. The Sensor can be remotely located up to 20' from the Module to the area where temperature measurement is desired.



*Magic Module Series*

## ELK-MT100



Temperature Sensor 7 62158 52100 3

Accessory for the ELK Magic Module (ELK-MM443(S))

**FEATURES:**

- Adds Temperature Functions to the ELK Magic Module (ELK-MM443(S)).
- Measures Non-Condensing Indoor / Outdoor Temperature.
- Interfaces to Accessory Connector (J1).
- Simple 4-Wire Connection.
- Lifetime Limited Warranty, call for details.

**SPECIFICATIONS:**

- Temperature Range: -55°C to +125°C (-67°F to 257°) in 1° celsius increments.
- Size: 2.4" x 2.3" x 1".
- Operating Voltage: 5 Volts D.C.
- Current Required: 1 mA.

Features and Specifications subject to change without notice.



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**Instructions Printed On Inside**

# TEMPERATURE SENSOR INSTRUCTIONS

The ELK Temperature Sensor(ELK-MT100) allows the ELK Magic Module(ELK-MM443) programmable controller to monitor ambient temperatures and control functions through programming. The Sensor can be remotely located in the area where temperature measurement is desired. The Sensor connects via a 4 conductor cable to the terminals of either an ELK Clock/Calendar Module(ELK-MC100) or the supplied Interface board. This board is plugged onto the Magic Module Accessory Connector(J1) as shown in figure1.

**Note: Keep the cable length to a minimum (less than 20 feet) and away from transient sources such as AC Power Lines, Phone lines, etc. The Sensor has limited transient input protection. Do not mount in a location that may be exposed to moisture. UNIT IS NOT WATERPROOF.**

## Installation

1. The Temperature Sensor (ELK-MT100) includes a small interface board which plugs into the white 5-pin Accessory Connector (J1) on the Magic Module. However, if a Clock/Calendar Module (ELK-MC100) is already installed, the Sensor may be connected directly to it, without the need for the interface board. In this case, proceed to Step 2. Insert the flanged end of the supplied nylon standoffs into the holes opposite the terminal strip and on the bottom side of the Interface board. Plug this circuit board into the white 5-pin Accessory Connector (J1) on the Magic Module. Snap in the standoffs to secure the board to the Magic Module.
2. Remove the Sensor's plastic cover. Use double sided tape or screws (screws not supplied) to mount the base in a **dry** location where the temperature measurements will be taken. The preferred mounting direction is shown in figure 1. The Sensor can be located up to 20 feet from the Magic Module.
3. Run a 4 conductor (24 AWG MIN) cable from the Sensor to the terminals of either the Clock/Calendar module or to the Interface board. Use the nylon cable tie to secure the cable into the Sensor module. Connect DATA to DATA, CLK to CLK, +5V to +5V, and NEG to NEG. Replace the cover.
4. Before use, the Magic Module must be programmed to read the temperature from the Sensor. Refer to the Magic Module Development Kit for programming instructions.

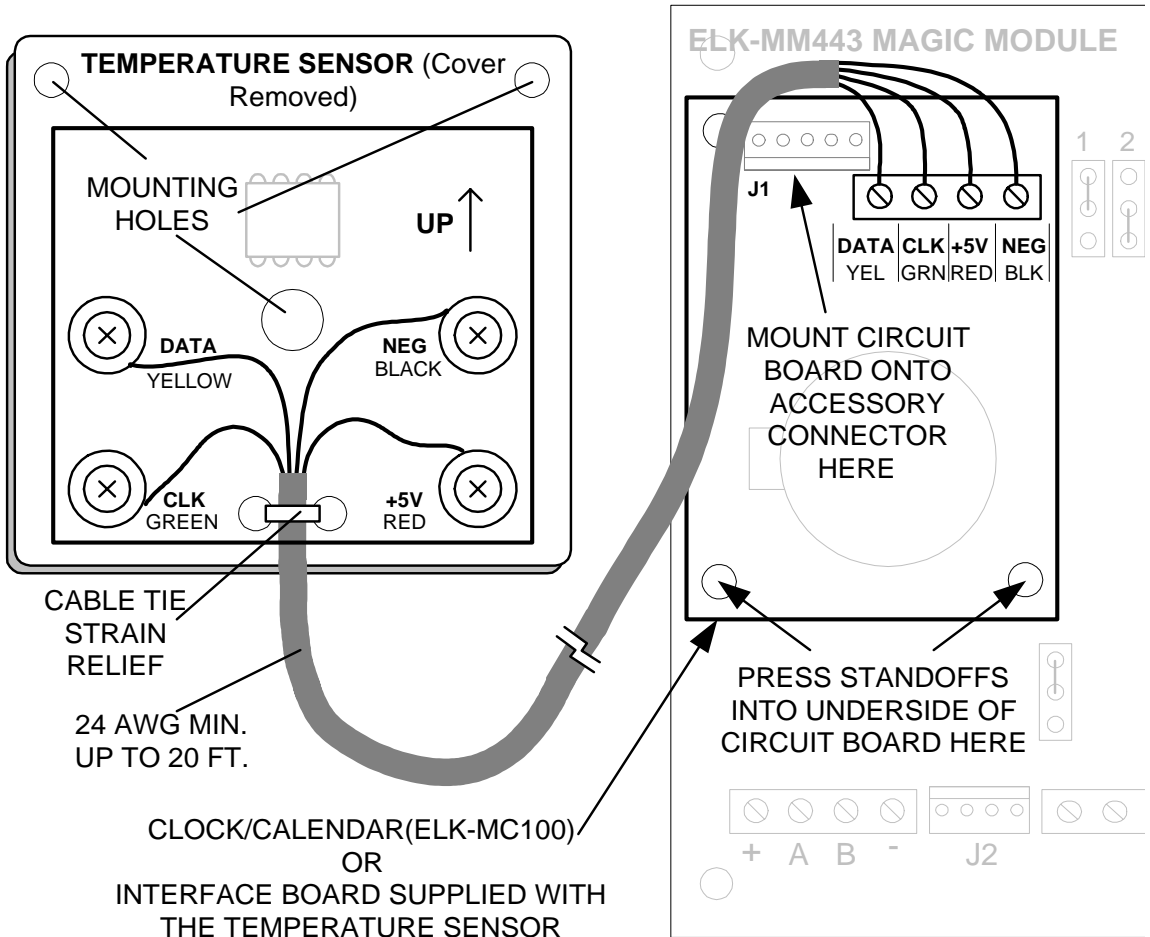


Figure 1. Temperature Sensor Hookup Connections to a Magic Module