OONO®

czh-labs.com

On/Off Switching Electric Heating Relay with Built-in 24 V Transformer

Model: F-1057



IMPORTANT !

- **THIS MODULE OPERATES ON A HAZARDOUS VOLTAGE !**
- **All wiring must comply with national and local electrical code regulations.**
- **Installation should be carried out by an electrician.**
- **Disconnect power supply before installing the relay to prevent electrical shock.**

Features:

- **The F-1057 Electric Heating Relay is designed to control a AC 120V line voltage resistive load from a low voltage thermostat. The F-1057 relay has a built-in 24 V transformer and is compatible with 3-wire (R, C, W) thermostats as well as 2-wire (R, W) mechanical and battery-operated thermostats.**
- **LED indicator for relay action. On a call for heat, the relay is immediately activated, there is no delay.**
- **Polycarbonate plastic enclosure, all wires lead out via 1/2" mounting nipple, it can be flexible mounting with your junction box / outlet box. Two screw mounting holes are convenient for you to fix it on the wall or wooden board.**
- **Packing list: 1x relay module, 1x NPT 1/2" Zinc alloy conduit locknut, 2x M3x50mm screws.**

NOTE: Not recommended for fast-cycling modulated regulation. For fast-cycling heating equipment, you may muse use Solid State Relay.

Electrical Specifications:

Voltage: 120 VAC
Resistive load: 22 Amp, Inductive load: 0.8 HP, FLA: 16, LRA: 42
Control signal: 24 VAC / 40 mA / 1.2 VA
Transformer ratings: 24 VAC / 1.2 VA / Class 2
Wire size: 12 AWG(red, black), 16 AWG(white, yellow, green, blue)
Ambient operating temperature: -20C to 60C
Net weight: 6.7 oz (190 g)

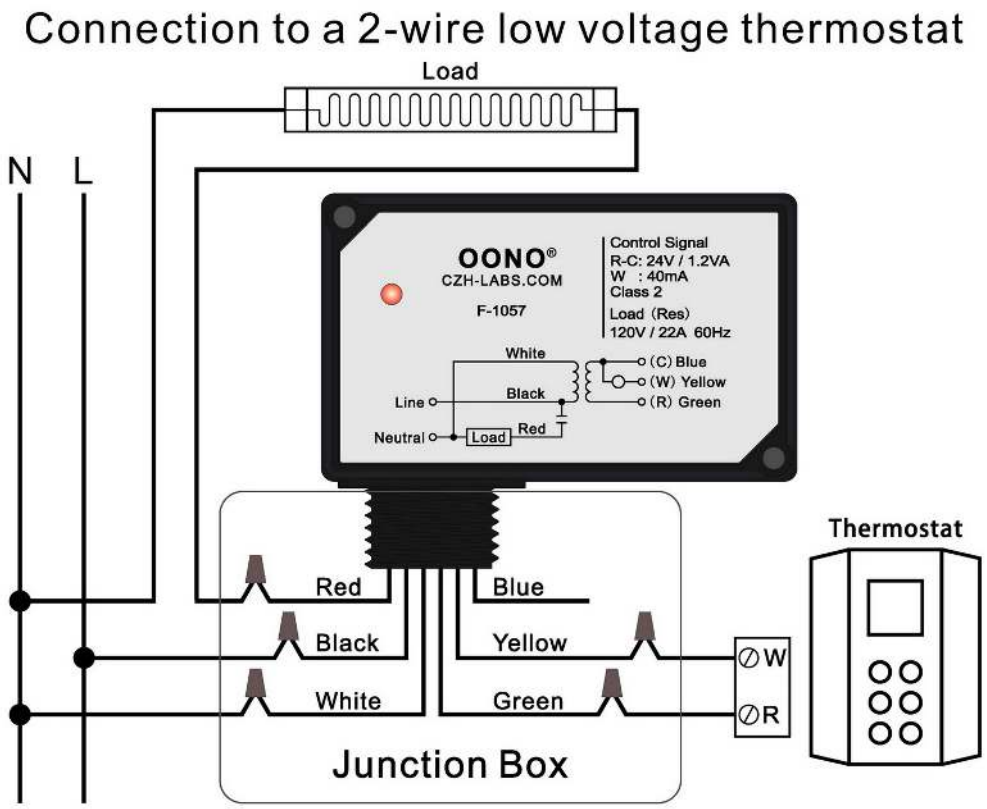
DANGER !!!

- **Do not open the housing in order to avoid the risk of electroshocks.**
- **This module operates on a dangerous AC voltage !**
- **All repairs should be executed by qualified technicians.**

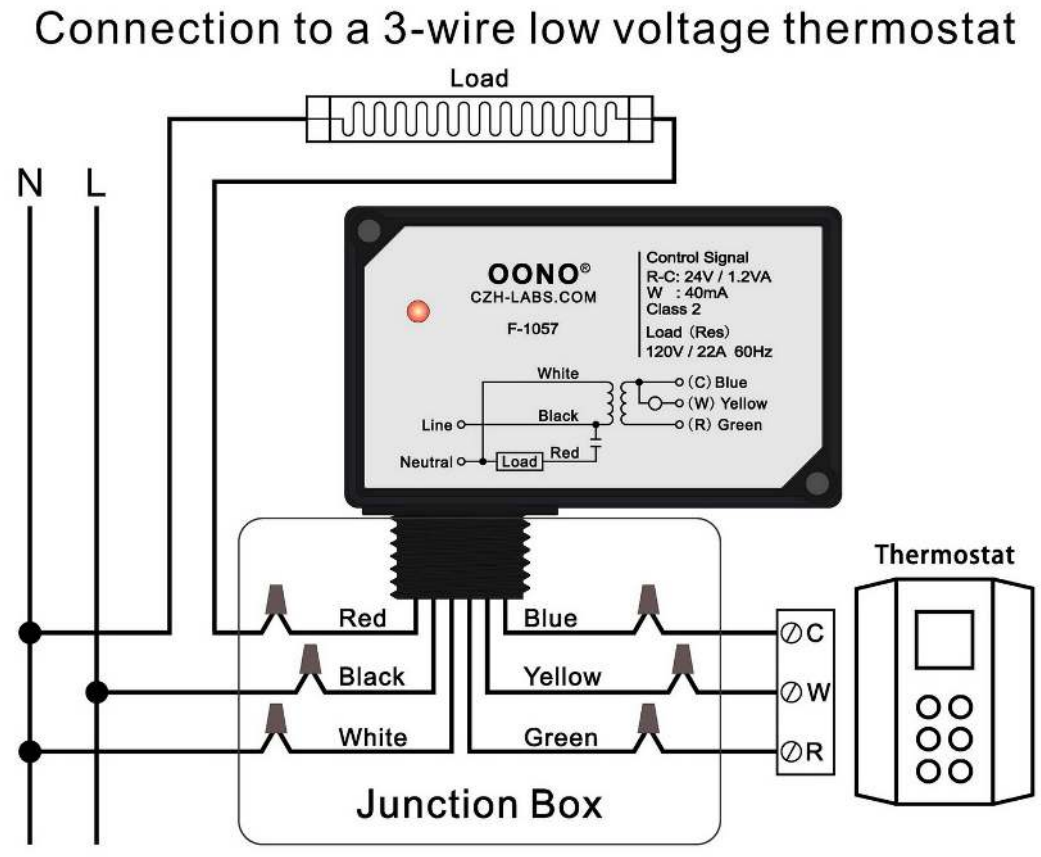
SAFETY INSTRUCTIONS !!!

- **Do not attempt to disassemble the unit as it does not contain any parts that are to be serviced by the user. (Tampering voids warranty)**
- **Do not touch unused terminals when the module is connected to the AC power.**
- **Handle the module gently and carefully. Dropping it can damage the circuit board and case.**
- **Never exceed the protection limit values indicated in the specifications.**
- **As safety requirement vary, please check with your local authorities.**
- **Disconnect the module from the AC power before connecting new devices.**
- **Wipe the device with a dry and clean cloth. Do not use detergents or other liquids that may damage the housing.**
- **Keep the device away from children.**
- **Facilitate the operation of the device by familiarising yourself with its adjustments and indications.**
- **CZH-LABS and Electronics-Salon modules are not suitable for use or as part of life support systems, or systems that might create hazardous situations of kind.**

Typical Wiring Diagrams:

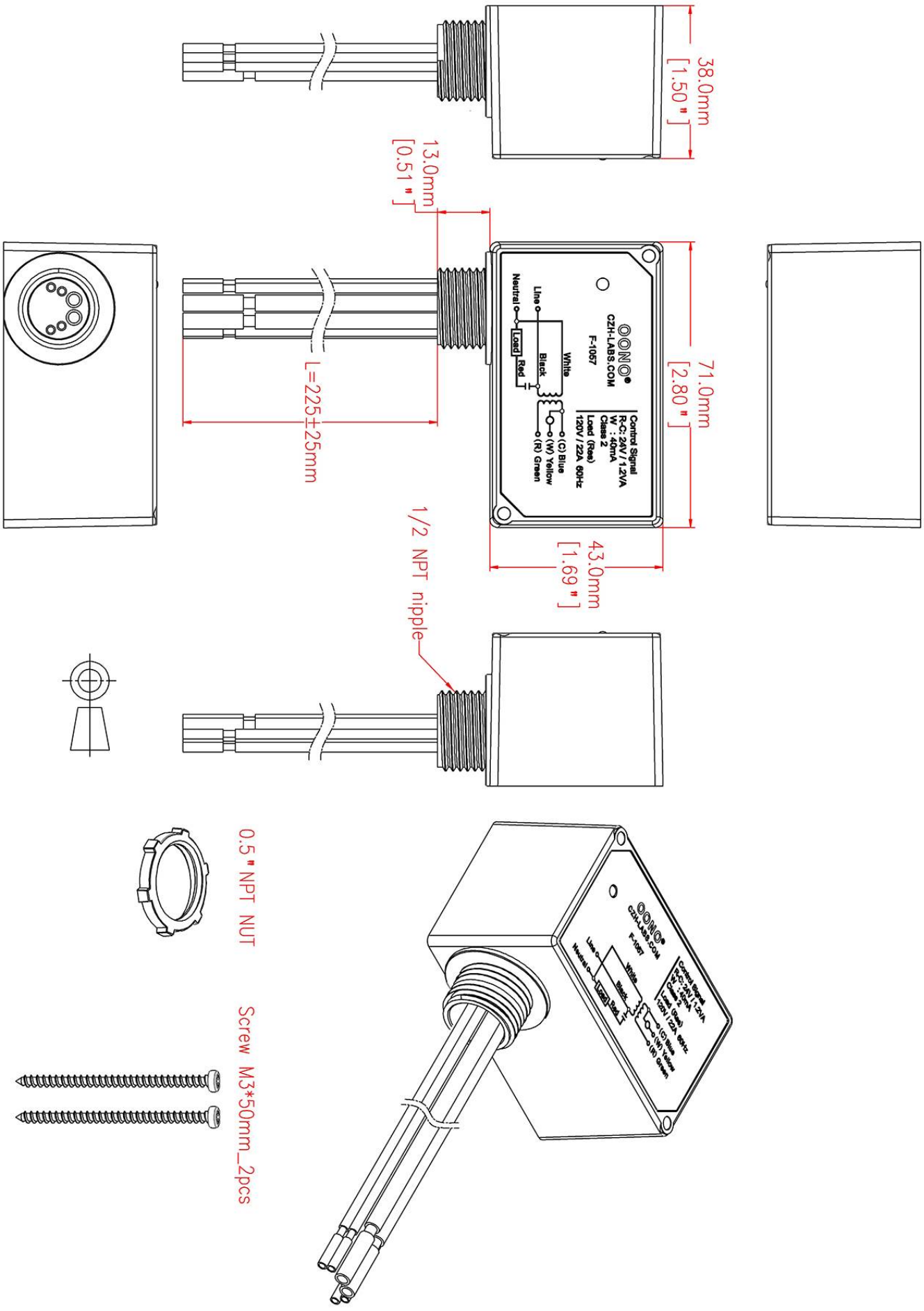


✧ **You must provide an overload protection and disconnect as required.**



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Dimensions:


38.0mm
[1.50"]
13.0mm
[0.51"]
71.0mm
[2.80"]
L=225±25mm
43.0mm
[1.69"]
1/2 NPT nipple
0.5" NPT NUT
Screw M3*50mm_2pcs
Neutral
Line
Load
White
Black
Red
(C) Blue
(W) Yellow
(R) Green
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