NS10P Wiring

Model	Power 24VDC(＋)	Power 24VDC(－)	Output 4~20mA(＋)	Output 4~20mA(－)	RS485 (T+/A)	RS485 (T-/B)	Laser Trigger
NS10P	red	black	white	green	yellow	grey	blue

H1 : 600°C ~ 1600°C
H2 : 300°C ~ 1300°C
H3 : 100°C ~ 600°C
H3L : 50°C ~ 400°C

Laser Sighting: When connecting a 24VDC power supply, the laser sighting of NS10P will turn on for two minutes then it will be shut down automatically. To restart the laser, the user needs to turn off the 24VDC power then turn it on again, or the laser sighting can be activated via a trigger by shorting the Laser Trigger (blue) and Power ground - (black). That it can be done with a switch or push button which the user installed on site. At ambient temperature > 50°C, the laser will be switched off automatically.

* NOTICE *

Thank you for choosing the NS10P series infrared thermometer, each single unit passes a quality process before shipment; to ensure its quality and functionality, providing customers with the best service. We need your cooperation in using the NS10P thermometer, please pay attention to the following two things, in order to ensure the unit can functioning properly. Failure to comply with the following requirements resulting damage the unit is not apply to factory's warranty.

1、Power supply:
   a. When connecting a 24VDC power supply to NS10P series, be sure to confirm the polarity of power, the positive (+) and negative (-) cannot be reversed, otherwise it will damage the thermometer. *
   b. The power supply of NS10P series is DC 24VDC @ 100mA. Be sure to use industrial grade power supply to meet the specification. Do not use household level AC Adapter or low cost DC power supply that cannot provide proper protection, in order to avoid over voltage or transient voltage occurs in power system to damage the sensor.

2. Operating (ambient) temperature
   NS10P series have a stainless steel 304 protect housing and provide non-contact temperature measurement up to 1600°C through an optical lens. But the NS10P unit is designed to operate in ambient temperature highest to 70°C. Above this range will result in a permanent damage to electronic components.

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NS10P 接線說明

型號	電源 24VDC(＋)	電源 24VDC(－)	信號輸出 4~20mA(＋)	信號輸出 4~20mA(－)	RS485 (T+/A)	RS485 (T-/B)	雷射 觸發
NS10P	紅	黑	白	綠	黃	灰	藍

H1 ：600℃ ~ 1600℃
H2 ：300℃ ~ 1300℃
H3 ：100℃ ~ 600℃
H3L：50℃ ~ 400℃

⚠ **警告**
☢ 雷射注意 謹慎操作

*雷射瞄準：接上電源後，NS10P 會自動開啟雷射，2 分鐘後將自動關閉。如要重新啟動雷射，需將 NS10P 的 24VDC 電源關閉後再送電，或將藍色(雷射觸發)和黑色(電源-)兩條線經由按鈕開關接通一次也可以開啟雷射。當環境溫度高於 50℃時，為了保護雷射發射器，雷射會自動關閉。

＊ 注 意 事 項 ＊

感謝您選用 NS10P 系列紅外線測溫器，每具測溫器在出貨前，都經過本公司的嚴格檢驗，以確保其品質及功能，為客戶提供最好的服務。但也請您配合在使用本 NS10P 測溫器時，需特別注意下列兩點，以確保 NS10P 能正常運作，未遵守下列規定而造成本 NS10P 測溫器損壞則不在原廠保固範圍內。

一、電源供應：

1. 在連接直流電源 24VDC 至 NS10P 系列時，請務必**確認電源的正（＋）、負（-）極性，不能接反**，否則將損壞本測溫器。

2. NS10P 系列的工作電源為直流 24VDC@100mA，請一定要使用符合此規格之工業級電源供應器。切勿使用一般家用級 AC Adapter 或簡易型直流電源設備，以避免電力線路上發生瞬間突波或過電壓時，無法提供保護，而造成測溫器的損壞。

二、操作（工作）溫度：

NS10P 系列雖具有 SS304 不銹鋼外殼，經由光學鏡頭能測量溫度至 1600℃，但內部之**電子零件其操作（工作）溫度最高僅能承受到 70℃**，超過此溫度將會造成 NS10P 的電子零件永久損壞。

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