

OCS-I/O HE959NTC800 DATASHEET

8 10k Thermistor Inputs

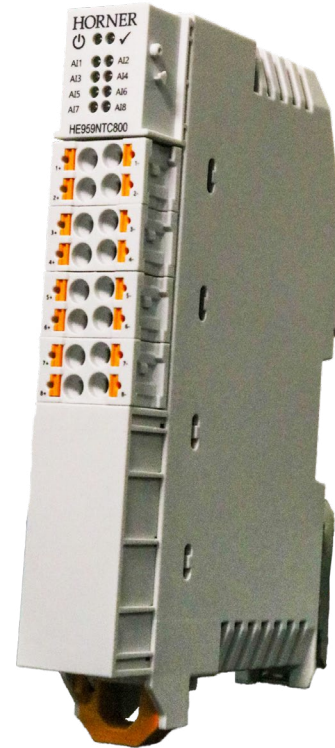
1 TECHNICAL SPECIFICATIONS

1.1 General Specifications

Required Power (Steady State)	30mA @ 5VDC
Thermistor Inputs	8 Standard 10k @25°C NTC Thermistors
Relative Humidity	5-95% non-condensing
Port Connectors	Phoenix
Operating Air Temperature	-40°C (-40°F) to 60°C (140°F)
Storage Temperature	-40°C - 85°C
Weight	3 oz (85.2g)
Dimensions	0.75"x4.5"x3" (19.05mm x 114.3mm x 76.2mm)
Certifications (UL/CE)	North America: https://hornerautomation.com/certifications/ Europe: https://www.hornerautomation.eu/support/certifications-2/

1.2 Analog Inputs

Number of Channels	8
Input Ranges	10kΩ
Nominal Resolution	16-bit
Maximum Error at 25°C (Excluding Zero)	±1°C
Data Conversion	100 counts/degree Celsius. --- For example: If the input temperature is 123.40, then the count will be 12340

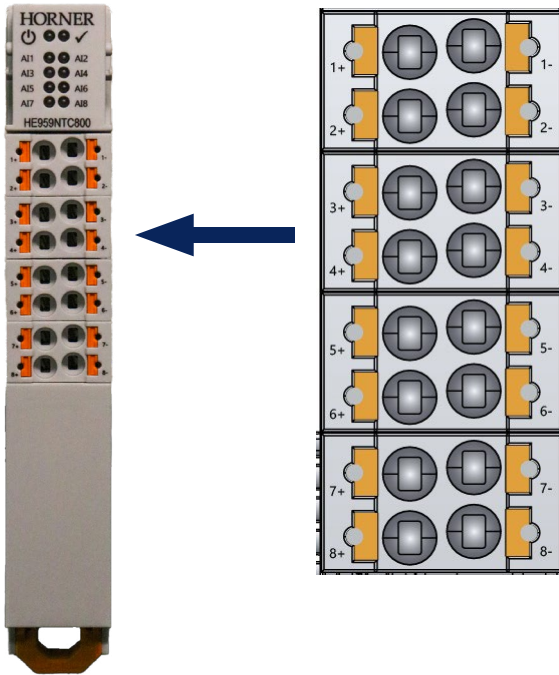


Cscape Configuration:

- See MAN1500 for HE959CNX100.
- See MAN1432 for HE959CNX116

Note: Horner CPU products may support some OCS-I/O modules.

2 WIRING



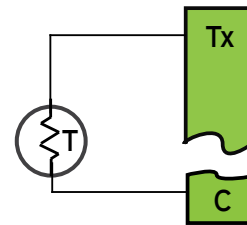
Label	Description	Signal	Description
1+	Signal Plus	1-	Signal Minus
2+	Signal Plus	2-	Signal Minus
3+	Signal Plus	3-	Signal Minus
4+	Signal Plus	4-	Signal Minus
5+	Signal Plus	5-	Signal Minus
6+	Signal Plus	6-	Signal Minus
7+	Signal Plus	7-	Signal Minus
8+	Signal Plus	8-	Signal Minus



Use 75°C copper conductors only.



WARNING: Do not put any voltage on any of the ports. Doing so will damage the board.



3 DIAGNOSTIC LED INDICATORS

Status	OK LED
OFF	Power Up
ON	IO Module Running Normally
BLINK (1Hz)	One of the following errors: a. Communication between IO Base and IO Module (IO ERROR) b. No Configuration c. OCS idle mode

4 SAFETY

4.1 - WARNINGS



WARNING - If the equipment is used in a manner not specified by Horner APG, the protection provided by the equipment may be impaired.

WARNING - EXPLOSION HAZARD - Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous

AVERTISSEMENT - RISQUE D'EXPLOSION -Ne débranchez pas l'équipement tant que l'alimentation n'a pas été coupée ou que la zone n'est pas dangereuse.

WARNING - EXPLOSION HAZARD - Substitution of any component may impair suitability for Class I, Division 2
AVERTISSEMENT - RISQUE D'EXPLOSION -Le remplacement de tout composant peut nuire à la compatibilité avec la classe I, division 2

WARNING - POSSIBLE EQUIPMENT DAMAGE - Remove power from the I/O Base and any peripheral equipment connected to this local system before adding or replacing this or any module.

AVERTISSEMENT - DOMMAGES POSSIBLES À L'ÉQUIPEMENT - Coupez l'alimentation de la base d'E / S et de tout équipement périphérique connecté à ce système local avant d'ajouter ou de remplacer ce module ou tout autre module.

4.2 - SAFETY

- a. All applicable codes and standards should be followed in the installation of this product.
- b. Shielded, twisted-pair wiring should be used for best performance.
- c. Shields should be grounded at one end only, preferably at the end providing the best noise shunting.
- d. Use the following wire type or equivalent: Belden 8441.

5 PART NUMBER

HE959NTC800

6 TECHNICAL SUPPORT

For assistance and manual updates, contact Technical Support at the following locations:

North America

(317) 916-4274

www.hornerautomation.com

APGUSATechSupport@heapg.com

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(+) 353-21-4321-266

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