

OCS-I/O - HE959DAC107

4 Analog Outputs

1 TECHNICAL SPECIFICATIONS

1.1 General Specifications

| | |
|-------------------------------|---|
| Required Power (Steady State) | 60mA @ 5V, 92mA @ 24V |
| Analog Outputs | 4 |
| Relative Humidity | 5-95% non-condensing |
| Port Connectors | Phoenix Contact 2201789 |
| Port Wiring | 16-24 AWG / 0.2-1.5mm± |
| Operating Air Temp | -40°C (-40°F) to 60°C (140°F) |
| Storage Temp | -40°C (-40°F) to 85°C (185°F) |
| Weight | 2.96 oz. |
| Dimensions | 76.5mm x 124.5mm x 19mm 3" x 4.9" x 0.75" |
| Certifications (UL/CE) | North America: https://hornerautomation.com/certifications/ Europe: https://www.hornerautomation.eu/support/certifications-2/ |

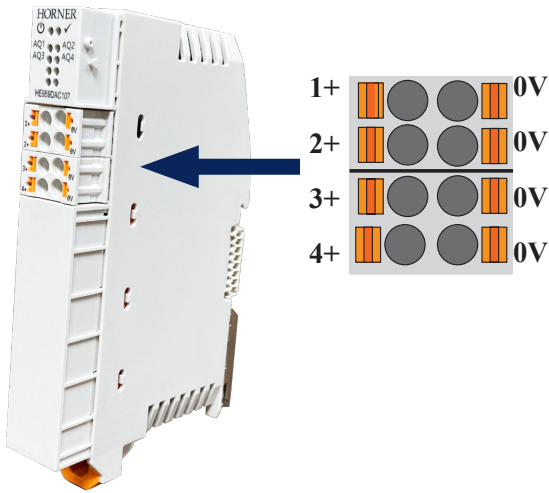


1.2 Analog Outputs

| | |
|-------------------------------------|---|
| Number of Channels | 4 |
| Output Ranges | 0-20mA / 4-20mA / -10V to 10V / 0-10V |
| Nominal Resolution | 12 Bit |
| Minimum 10V Load | 500Ω |
| Max Loop Voltage | 10VDC |
| Maximum Current Load | 500Ω |
| Minimum Current Load | 30mA |
| Max. Error at 25°C (Excluding Zero) | 20mA 0.3% of full scale 0 - 10V 0.3% of full scale |

Cscape Configuration - See MAN1175 for the HE959CNX116.

2 WIRING



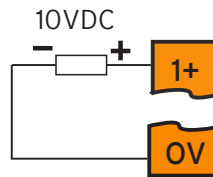
4 ANALOG OUTPUTS

| Label | Signal | Description | Signal | Description |
|-------|--------|-----------------|--------|---------------|
| 1+ | Q1 | Analog Output 1 | 0V | Analog Ground |
| 2+ | Q2 | Analog Output 2 | 0V | Analog Ground |
| 3+ | Q3 | Analog Output 3 | 0V | Analog Ground |
| 4+ | Q4 | Analog Output 4 | 0V | Analog Ground |

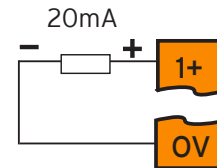


Use 75°C copper conductors only.

0 - 10V Analog Out



4 - 20mA Analog Out



3 DIAGNOSTIC LED INDICATORS

| Status | OK LED |
|-------------|---|
| OFF | Power Up |
| ON | IO Module Running Normally |
| BLINK (1Hz) | On 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

HE959DAC107

6 TECHNICAL SUPPORT

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

North America

(317) 916-4274
www.hornerautomation.com
techsppt@heapg.com

Europe

(+) 353-21-4321-266
www.hornerautomation.eu
technical.support@horner-apg.com