



NOTICE: Hot Swap Capability

The following information is provided with the user manual and applies to:

HE670ADC810,
H670ADC830,
HE670ADC840

The standard HE670ADC810, HE670ADC830, and HE670ADC840 modules DO NOT SUPPORT *Hot Swap Capability*.

The modules can be ordered with *Hot Swap Capability* at an additional charge.

To order the option, please specify the part numbers as

HE670ADC810-25,
H670ADC830-25,
HE670ADC840-25

The *Hot Swap Capability Option* is available for an additional \$100.00 over the recommended U.S. List Price.



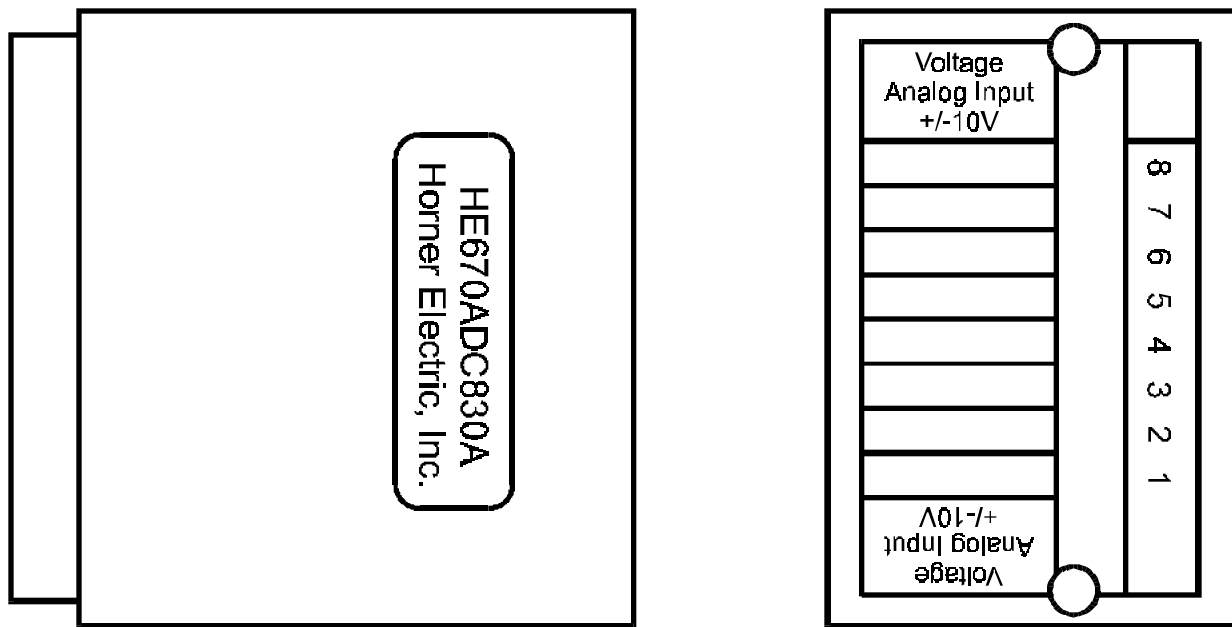
**HORNER
ELECTRIC
ADVANCED
PRODUCTS
GROUP**

+/- 10V VDC Isolated Analog Input Product Specifications and Installation Data

DESCRIPTION

The Horner Electric +/-10VDC Isolated Analog Input module is compatible with GE Fanuc Field Control. It provides eight analog channels with a resolution of 12-bits (11 bits plus sign). Isolation levels are 400VDC, 1000VDC channel-to-channel and channel-to-ground. The module converts the voltage input signals into digital values (-10,000 to +10,000 normally), which can be accessed through communications with the Bus Interface Unit. These modules are physically housed in the standard Field Control I/O case, and are compatible with a variety of I/O bases, providing flexible termination options.

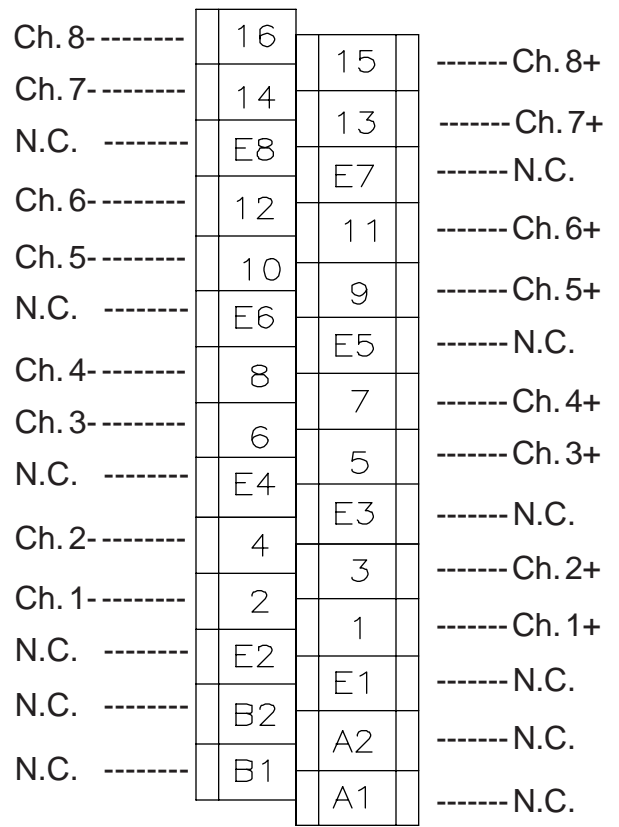
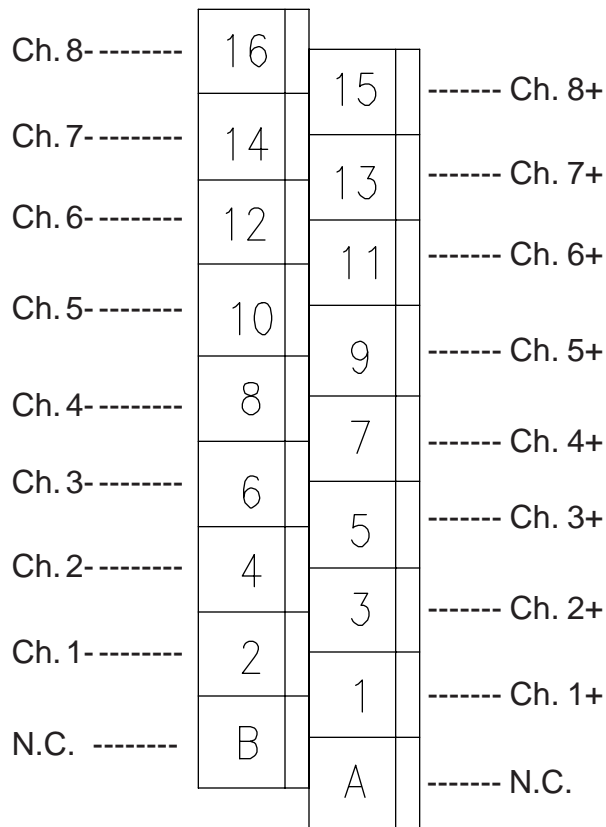
ILLUSTRATION



SPECIFICATIONS

Specification	HE670ADC830	Specification	HE670ADC830
Power Consumption	130mA from backplane	Resolution (0 to +10) (-10 to +10)	12-bits 11-bits + sign
Number of Channels	8	Output Format	Set by BIU, normally 10V = 10000 counts
Range	0 to +10VDC -10 to +10VDC Selectable by the BIU	Maximum error at 25°C	+/- 0.1% Full Scale
Channel-to-Channel Isolation	400VDC	Operating Temperature	0 to 75 °C
Channel-to-Backplane Isolation	1000VDC	Relative Humidity	5% to 95%, non-condensing
Input impedance	1 Mohm	Input Power	24VDC +/-10%

WIRING/INSTALLATION



Installation Hints

- Wiring should be routed in its own conduit.
- Shielded, twisted pair extension wiring offers best noise immunity.
- If shielded wiring is used, a good earth ground connection is critical. Connect all shield points to a good earth ground.

Keying Locations										
A	B	C	D	E	F	G	H	I	J	K
X			X			X				X

Caution

Do not insert or remove a module during operation if the possibility of temporarily incorrect data that may result could cause hazardous or unexpected conditions is of concern.