



# Analogik

## ELECTRONICS CORPORATION

### SIGNAL ISOLATOR - Analogik 405, 406



#### GENERAL DESCRIPTION

Signal isolators are used to provide isolation between both field DC signals and final control element. The instrument provides 1.5 KV DC galvanic & opto isolation between the input signal & output signals.

These instruments accept 0/4 to 20mA signal proportional to input.

The high accuracy, linearity & very low temp. drift is the added feature.

The instrument is housed in a std DIN rail housing with zero, span adjustments are user accessible.

The instrument is packaged in plastic DIN rail also suitable for wall mounting.

24v DC output is optional to power field transmitters.

Dual I/P & Dual O/P version available.

Also 8 I/P and 8 O/P version in DIN rail mounting available.

Any I/P & O/P configuration as per system requirement can be given.

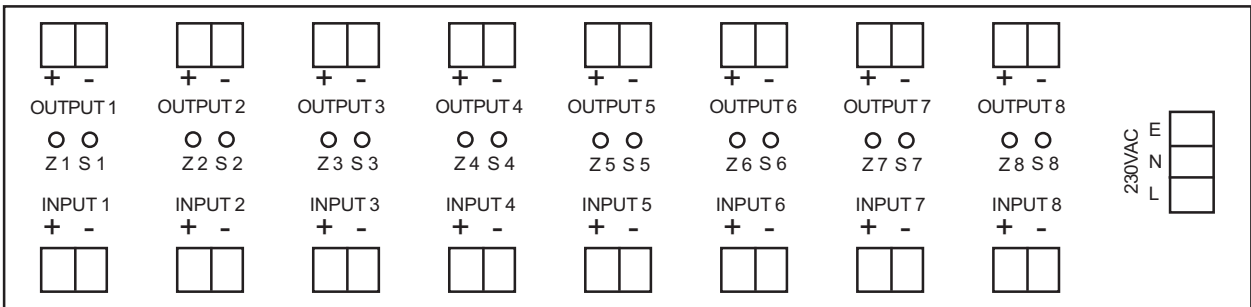
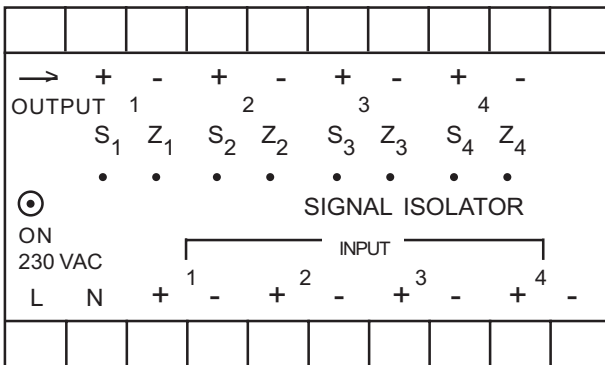
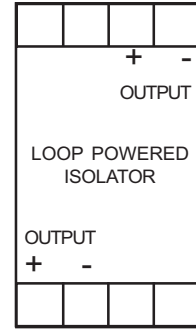
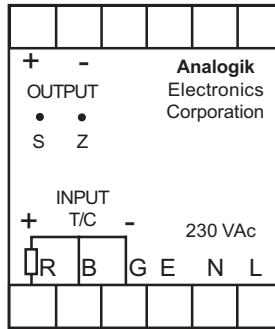
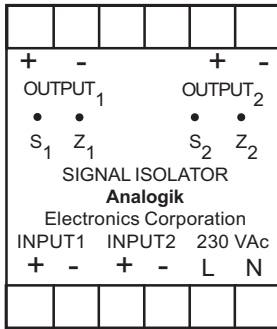
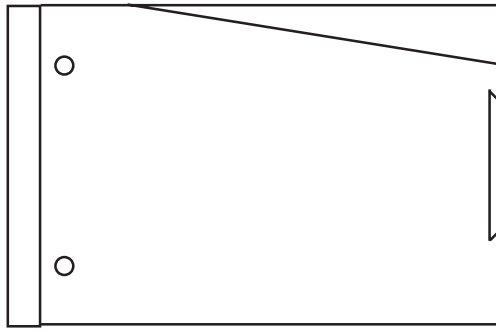
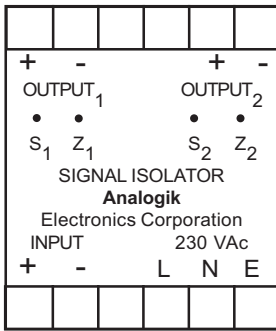
#### FEATURES

- ◆ Eliminates ground loop problems.
- ◆ Dual I/P-Dual O/P, Four I/P, Four O/P versions available. Also 8 I/P-8O/P version available.
- ◆ All I/P-I/P, I/P-O/P & O/P-O/P isolation (Threeport isolation)

#### TECHNICAL SPECIFICATIONS

INPUT	0/4 to 20 mA DC or 0/1 to 5 V DC 0 to 10 VDC, Pt 100, T/C
OUTPUT	0/4 to 20 mA DC 0 to 10 VDC
INPUT IMPEDANCE	Less than 100 $\Omega$ for 4 to 20mA
OUTPUT IMPEDANCE	> 100k for 0 to 10V DC i/p
OUTPUT LOAD	500 $\Omega$ Max. for 4 to 20 mA
INPUT-OUTPUT ISOLATION	1.5 kv DC for 60 sec.
OUTPUT-OUTPUT ISOLATION	3 port isolation 1.5 kv DC for 60 secs.
ACCURACY	$\pm$ 0.25% of F. S.
LINEARITY	0.25% of F. S.
OUTPUT CURRENT LIMIT	28 mA max.
ZERO - SPAN ADJUSTMENTS	By multiturn trimpot
OUTPUT OPERATING TEMP	24 VDC, 50 mA optional 10 to 50 $^{\circ}$ C
OPERATING HUMIDITY	90% Rh N. C. max.
TEMPERATURE DRIFT	0.02% / $^{\circ}$ C
DIMENSIONS MOUNTING	Wall Mounted type DIN rail Mounting.
WEIGHT	1.5 Kg approx.
MODEL	405 - Dual output with DIN rail housing 406 - Dual output wall mounted type with 24 v DC output 407 - Four output with DIN rail housing.

# DIMENSIONAL & ELECTRICAL CONNECTIONS



## **ANALOGIK ELECTRONICS CORPORATION**

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## **AREA REPRESENTATIVE**