

ESS120

AC/DC Proportional Amplifier

Application:

The **ESS120 Sending Unit** provides a reduced cost alternative to the DGO style rotary inductive transformers. The ESS120 utilizes a voltage command from a high life potentiometer and converts it to a high voltage DC signal that emulates the signal found in our DGO 1, 2 & 3 rotary differential transformer.

Features:

- Microprocessor based technology
- Configurable to emulate 3 DGO models.
- Separate sending and converting modules.
- Sending unit generates high voltage output for noise immunity over long distances
- Converting unit to reduce signal voltage to a reference signal at the drive, such as +10-0-+10V or -10-0-+10 volt output.
- Offset outputs for hoist application available upon request.
- Special output curves upon request.



ESS120 TECHNICAL DATA

Electrical Ratings:

Sending Unit:

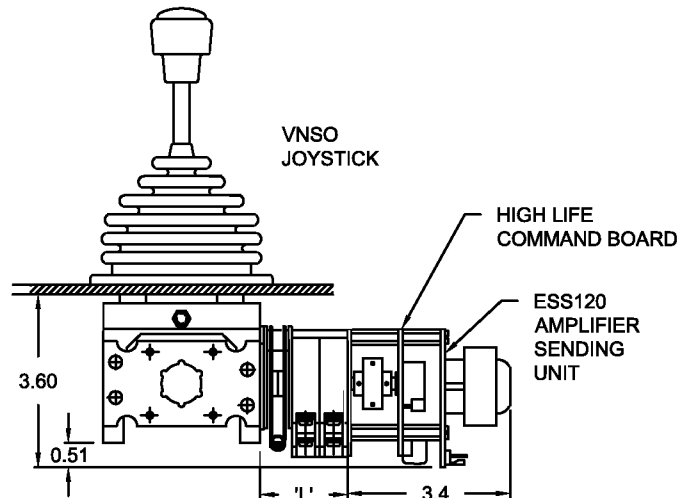
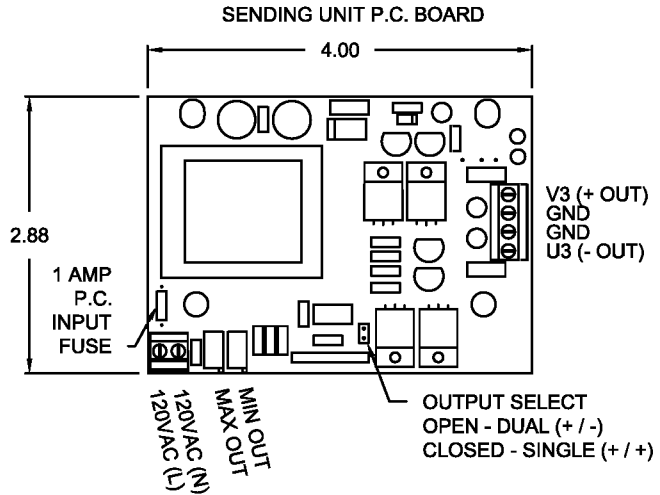
Input: 110-130VAC 50/60 Hz
 Maximum Output: 12-65VDC
 Power Consumption: 50mA AC

Converting Unit:

Input Signal: 12-65VDC
 Output: 0 to ± 12 VDC

Protection:

Inputs: Reverse Polarity Protected
 Outputs: Short Circuit Protected
 Sending Unit: 1 Amp Line Fuse On Board



(REFER TO VNSO LITERATURE FOR 'L' DIMENSION)

TYPICAL OUTPUT CURVES

