

*Chassis Optional*

## GENERAL DESCRIPTION

The FENNER TACHOMETER/INSTRUMENT FOLLOWER is a versatile assembly that provides a conditioned output voltage from a Voltage or Current Signal for various types of follower or feedback applications.

The assembly is easily programmed by an on-board switch for voltage or current input, inverted output to provide positive or negative signals as required, precision rectifier for AC input signals, and an active filter for use with AC or to remove unwanted noise from DC signals.

Advanced circuit design insures a high level of accuracy, noise immunity and reliability in industrial environments. A field-proven mounting arrangement provides reliable connection, but allows easy removal without disturbing permanent wiring. Front access and detailed technical manual makes installation and service easy.

The TACHOMETER/INSTRUMENT FOLLOWER is compatible with equipment of other manufacturers and can be used with the FENNER' SIGNAL ISOLATOR and other FENNER SERIES 200 CONTROL MODULES.

# REFLEX TACHOMETER/ INSTRUMENT FOLLOWER

**Part No. 12M03-125**

## SPECIFICATIONS

**SUPPLY:** 120V AC  $\pm$  10% 50/60 Hz, Single Phase

**AMBIENT TEMPERATURE:** 0° to 40°C (32°-104°F)  
50°C in Cabinet

**INPUT:** Current: Standard Instrument Outputs of  $\pm$  1 to 5,  $\pm$ 4 to 20 or  $\pm$ 10 to 50 mA AC or DC. Voltage: 0 to  $\pm$ 50V AC or DC (Higher Voltages with external scaling resistor 1000 ohms per volt above 50volts)

**OUTPUT:** 0 to  $\pm$ 10V DC at 5mA Maximum

**OPTIONS:** Selected by 4 SPST DIP Switches

1. Filter (3.4 Hz Crossover)
2. Inverted Output
3. AC (Precision Rectifier)
4. Current Input

**ADJUSTMENTS:** OFFSET/TRACKING, RATIO, COARSE AND FINE  
Adjusts gain of Input Amplifier

## STANDARD FEATURES

- Compact, Self-Contained
- Moderately Priced
- Wide Range of Adjustment
- Compatible with Packed Drives of Most Manufacturers
- Positive Front-Access Connection
- Easily Removed, Repaired or Replaced
- Conservatively Rated for Reliability
- Three Year Warranty
- Detailed Technical Manuals

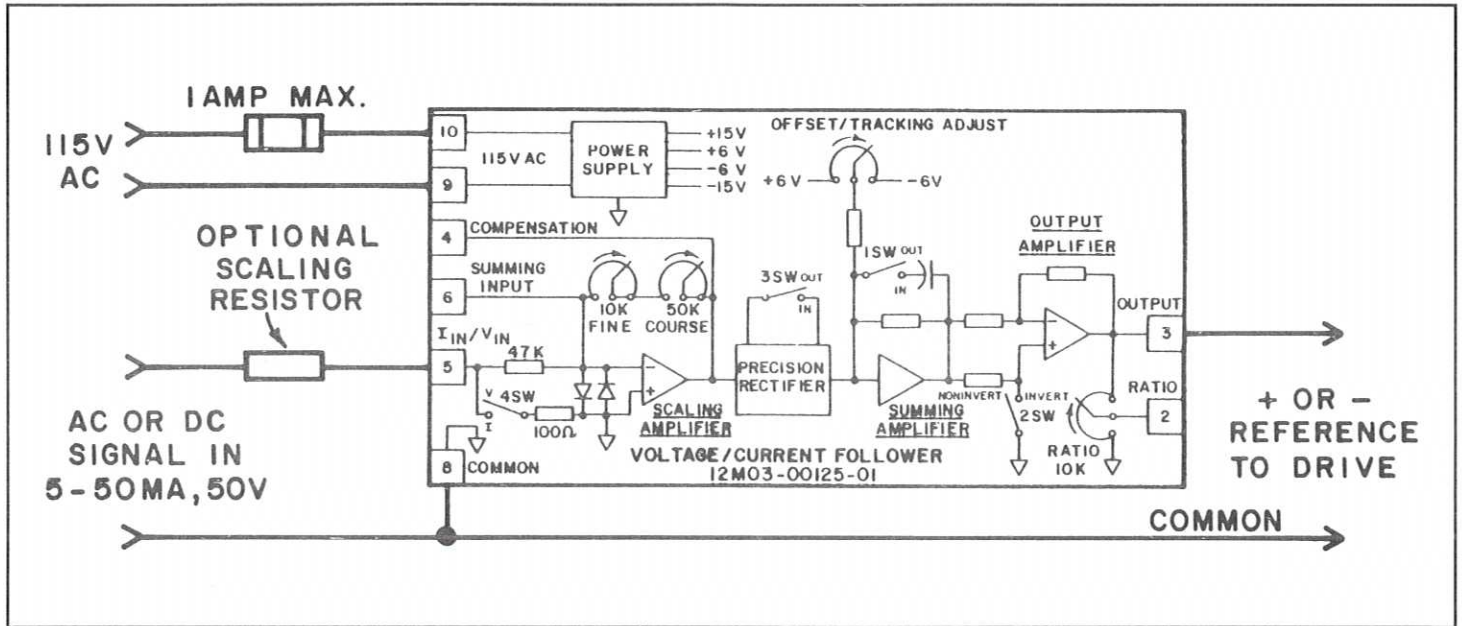
## OPTIONS

- Model 213 Signal Isolator
- Compatible with other Series 200 Controls (See Bulletins SB200 and SB101)

## TYPICAL APPLICATIONS

- DC, AC and Eddy Current Drives
- Process Lines
- Process Instrumentation

# TACHOMETER/INSTRUMENTATION FOLLOWER



## FENNER REFLEX ELECTRONIC CONTROL COMPONENTS

- Universal Eddy Current Drive
- M-G Set or Regulator Replacement
- Firing Circuits and Regulators to replace electronic boards in obsolete single and three phase DC motor drives
- DC Shunt Motor Field Crossover Control
- Wound Rotor Motor Secondary Control
- Power Supplies for Plating, Heating and Annealing
- Winders
- Custom Multi-Motor Drive Systems
- Special and Hard-to-Find Controls

# Fenner

## Fenner Industrial Controls

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