



Gemini Controls, LLC
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12M03-00125 TACHOMETER/INSTRUMENT FOLLOWER

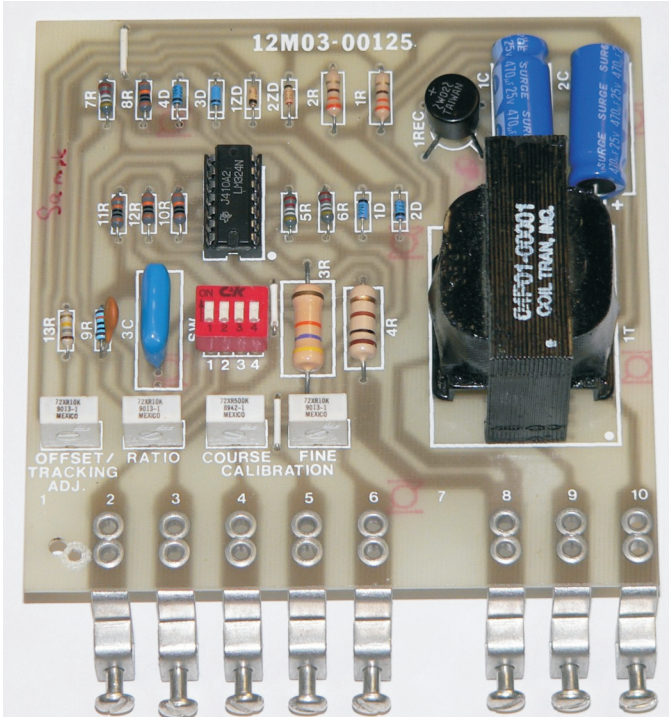
GENERAL DESCRIPTION

The model 12M03-00125 TACHOMETER/INSTRUMENT FOLLOWER is a versatile assembly that provides a conditioned output voltage from a Voltage or Current Signal for various types of follower of feedback applications.

The assembly is easily programmed by an on-board switch for voltage or current input, inverted output to provide positive or negative signal 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 model 12M03-00125 FOLLOWER is compatible with equipment of other manufacturers and can be used with the model 12M03-00109 SIGNAL ISOLATOR and other Gemini (Reflex) control modules.



FEATURES

- COMPACT, SELF-CONTAINED
- MODERATELY PRICED
- WIDE RANGE OF ADJUSTMENT
- COMPATIBLE WITH PACKAGED DRIVES OF MOST MANUFACTURERS
- POSITIVE FRONT-ACCESS CONNECTION
- EASILY REMOVED, REPAIRED OR REPLACED
- CONSERVATIVELY RATED FOR RELIABILITY
- DETAILED TECHNICAL MANUAL

TYPICAL APPLICATIONS

- DC, AC AND EDDY CURRENT DRIVES
- PROCESS LINES
- PROCESS INSTRUMENTATION

OPTIONS

- MODEL 213 SIGNAL ISOLATOR
- COMPATIBLE WITH OTHER SERIES 200 CONTROLS (See Bulletin SB200)

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 ± 1 to 5, ± 4 to 20 or ± 10 to 50 mA AC or DC. Voltage: 0 to ± 50 V AC or DC (Higher Voltages with external scaling resistor — 1000 ohms per volt above 50 volts)

OUTPUT: 0 to ± 10 V 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 } Adjusts gain of
FINE } Input Amplifier

