

Chassis Optional

## GENERAL DESCRIPTION

The MODEL 206 PRECISION REFERENCE is a low-drift, temperature independent control for use as the reference in precision closed-loop control systems such as single and multi-motor drives.

It converts step changes in input to a ramp output and can be used as a Master Reference in a multi-motor coordinated drive system. Timing ranges can be easily extended if desired.

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 206 PRECISION REFERENCE can be used with other FENNER SERIES 200 CONTROL MODULES and POWER CONVERTERS for smooth, precise control in many applications. It is compatible with equipment of other manufacturers.

# REFLEX PRECISION (MASTER) REFERENCE

Part No. 12M3-102

## 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:** 0 to positive 10 or 10.24 volts for binary applications) from Reference Potentiometer or Digital Ladder Switch

**INPUT CURRENT:** .007  $\mu$ A Maximum

**OUTPUT:** 0 to positive 10V or 10.24 volts @ 40mA

**ACCURACY:** Typical, 0.025% of full output Minimum, 0.1% of full output

**TIMING RANGE:** Acceleration 2 to 40 seconds.  
Deceleration 2 to 40 seconds. Easily reprogrammed for increased time.

**ADJUSTMENTS:** Acceleration, Deceleration, Calibrate

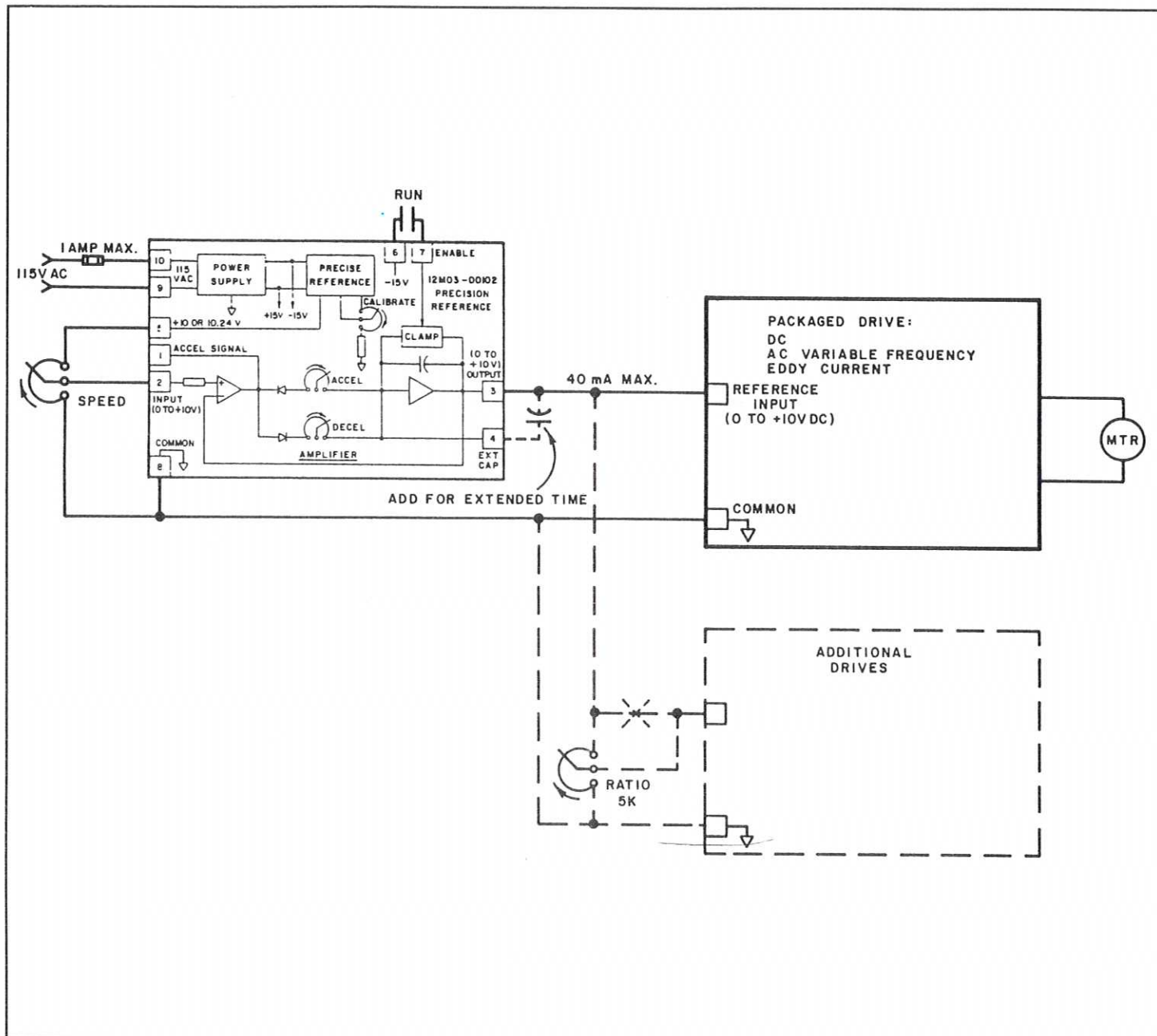
## STANDARD FEATURES

- 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

## OPTIONS

- Precision Speed Amplifier
- Signal Isolator
- Compatible with other Series 200 Controls (See Bulletin SB200)
- System Application Drawings Available
- DC, AC and Eddy Current Precision Drives
- Paper Machines
- Process Lines
- Test Stands

# PRECISION (MASTER) REFERENCE



## Fenner

**Fenner Industrial Controls**

A Division of Contrex Inc.  
 8900 Zachary Lane North • P.O. Box 9000  
 Maple Grove, Minnesota 55369 USA  
 612/424-7800 • FAX 612/424-8734

***"Your Partner On The Plant Floor"***