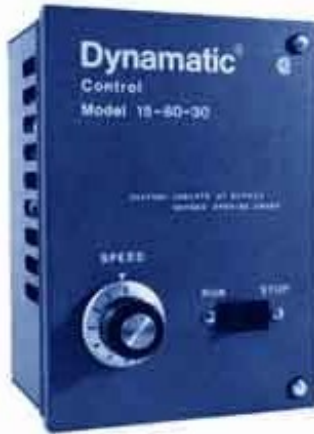


CONTROLLERS

FAS Controllers (15-47 & 15-80)



Description

The Model 15-47 Speed Controller is integrally mounted to the side of the standard fractional horsepower mechanical units. The component parts of the controller are contained on a plug-in type printed circuit board. Power for the controller is obtained from a motor winding in the Fractional HP FAS Series. The operator's station for these controllers consists of a Speed potentiometer and an On/Off switch mounted in a general-purpose enclosure that can be remote mounted. A Model 15-80 Speed Controller is the wall-mounted version of the 15-47 integrally mounted controller.

Features & Benefits

- Operator's station can be mounted up to 500 feet from the drive in hard to get at locations. Remote operators station capability for ease of installation.
- If line power is interrupted to the drive, the On/Off switch on the power station must be reset before the drive will restart. Unattended start protection for operator's safety.
- Controller has single main PCB and single PCB modifications. Fewer spare parts required.
- Integrally mounted or wall mounted controllers are available. Wide range of installation and application adaptability.

CONTROLLERS

FAS Controllers (15-47 & 15-80)

Specifications

| | | |
|------------------------|---|---|
| FAS Controllers | Units used with Horsepower range Input power, maximum Output power, maximum Speed regulation, no load to full load change Enclosures Built-in modifications Field modifications (1 per unit) Controller protective features Minimum regulated speed range Maximum ambient | Fractional HP Drives and AS-701 brake .25 to 1.5 HP 80 VAC, 1 phase, 50/60 Hz (Input power is typically provided by a transformer winding imbedded in the drive motor) 40 VDC, 1.25 A 2% - Standard Integral to mechanical unit - Standard General Purpose Enclosure - Optional None Linear acceleration, log acceleration, adjustable braking, tachometer follower, torque control Input fuses 50 RPM 104° F (40° C) enclosed |
|------------------------|---|---|

Ordering Information

The controllers below produce 40 VDC output voltage for use with the .25 to 1.5 HP fractional drives. The model 15-47 integral controller is included with all mechanical units as standard. The optional controllers listed below can be used to replace the standard Fractional Controller.

Fractional Controller Selection Table

| Controller Description | Input Voltage | Part Number |
|--|-----------------|----------------|
| Basic Speed Controller (included with complete drive) – ready for mounting in the conduit box on side of fractional unit (can be sold separately). | 80 | 15-000047-0025 |
| Basic Speed Control (PCB) | 80 | 15-000046-0017 |
| Basic Torque Control (PCB) | | 15-000046-0018 |
| Basic Speed Control with Operator's devices on the cover. | 80 | 15-000080-0030 |
| | 230/460 | 15-000080-0031 |
| | 115/208/390/575 | 15-000080-0032 |
| Basic Speed Control for use with separate Operator's Station, not included. | 80 | 15-000080-0033 |
| | 230/460 | 15-000080-0034 |
| | 115/208/390/575 | 15-000080-0035 |
| Torque Control | 230/460 | 15-000080-0109 |
| Torque Control | 115/208/390/575 | 15-000080-0110 |