

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.

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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
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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