

Automatic Engine Controller



ASM150

- Ideal for Generators
- Solid-state Construction
- Compatible with Most New or Existing Murphy SWITCHGAGE® Monitoring Systems
- Advanced, Rugged, Reliable Microprocessor Based Design
- Built-in Crank Disconnect and Overspeed Switch
- First-out Shutdown LED



Description

The ASM150 is a user friendly, solid-state, automatic engine controller. It provides basic automatic start/stop capabilities plus other features found on more sophisticated and expensive controllers.

The ASM150 operates from 12 or 24 volt battery. It includes features such as selectable crank and rest cycles, sensing circuit for crank disconnect and overspeed, overcrank, and re-crank protection on false starts. Four LEDs indicate first-out shutdown for: low pressure, high temperature, overcrank and overspeed. A fifth LED indicates engine running.

Advanced microprocessor circuitry gives the ASM150 high reliability and flexibility.

The ASM150 is compact, it mounts flush in a panel and requires very little room. Ideal for small generator or engine panels.

Features

- Compact design
- Optically Isolated Noise Resistant Inputs
- Re-Cranks Engine on False Starts
- Adjustable Lockout Time Delay During Startup
- Two (2) Element Adjustable Speed Switch
- Outputs for Cranking and Fuel Valve
- Outputs for Fault Annunciation
- Lamp Test Terminal

Specifications

Power Input: 12 or 24 VDC.

Operating Temperature:
-40 to 185°F (-40 to +85°C).

Inputs: Ground or positive inputs for high temperature or low pressure sensors.

Outputs

- 5 A relay for cranking and fuel valve.
- 300 mA transistor for fault annunciation.

Cycle Crank Timer: Up to 8 attempts.
Re-Cranks on false starts (fixed 30 seconds).

Crank/Rest Cycle Timing
4 to 25 seconds (adjustable).

Lockout Time Delay: 1 to 25 seconds (adjustable). Locks out low oil and high temperature on start-up.

Crank Disconnect Speed Setting
From 30 to 8500 Hz.

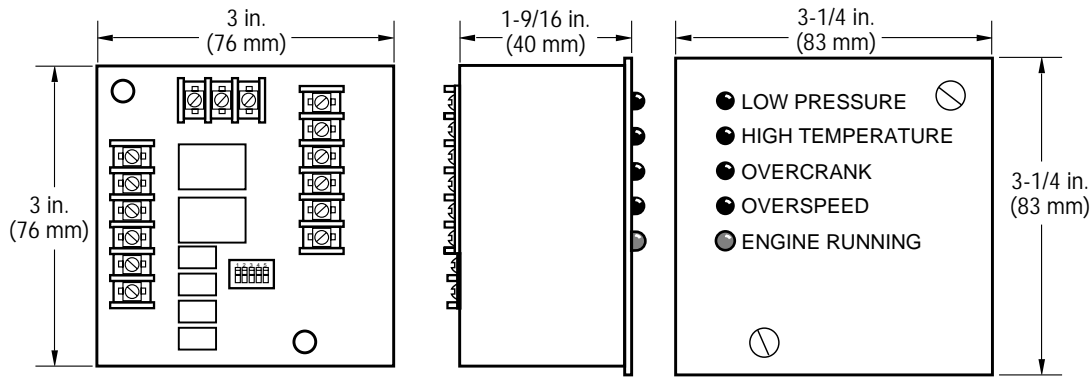
Overspeed Trip Point Setting
From 30 to 8500 Hz.

Magnetic Pickup Input
Requires 2V rms minimum.

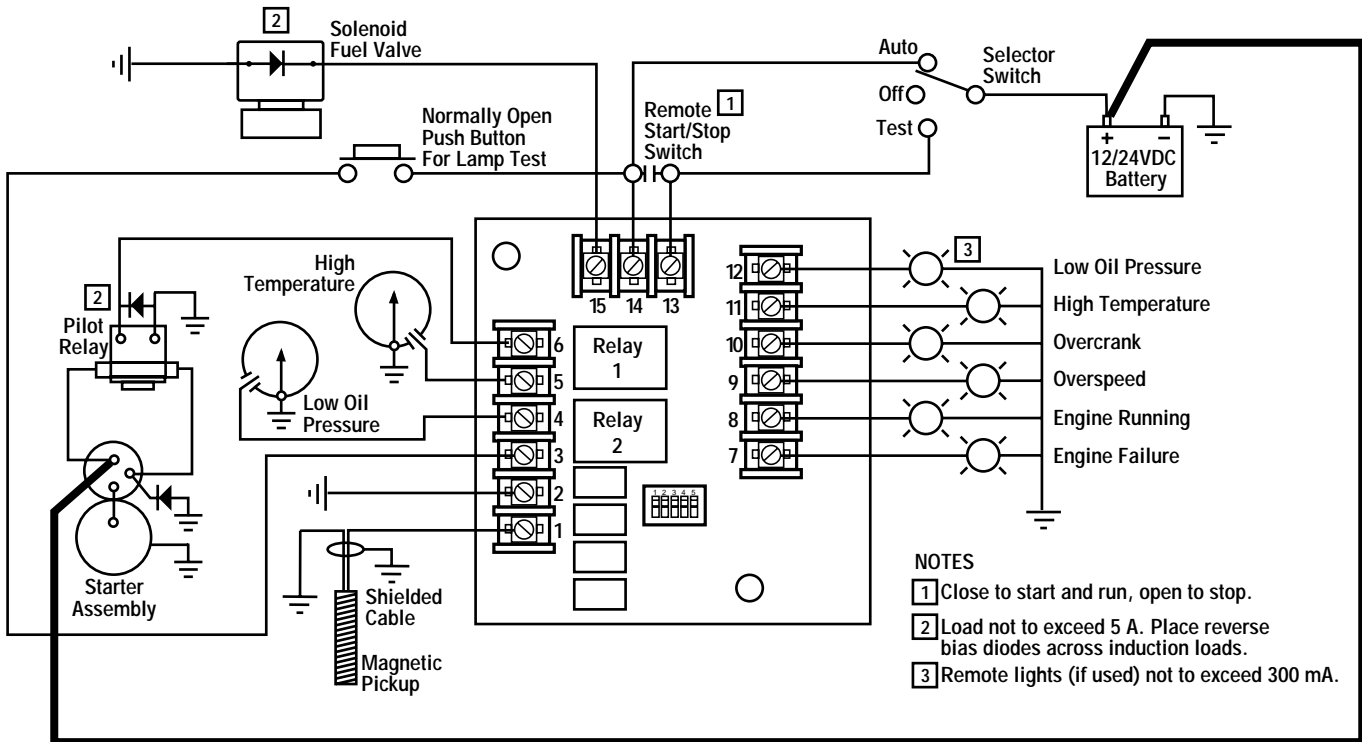
Shipping Weight: 1 lb. 2 oz. (0.51 kg.).

Shipping Dimensions
5 x 4-3/4 x 2-3/4 in. (127 x 121 x 70 mm).

Dimensions



Typical Wiring Diagram



How to Order
Specify ASM150-14.



CAUTION: *Certain danger to human and to equipment such as applied in a mobile or marine application may occur if some equipment is stopped without pre-warning. It is therefore, recommended that monitored functions be limited to alarm only or to alarm before shutdown in such applications.*

Warranty

A two-year limited warranty on materials and workmanship is given with this Murphy product. Details are available on request and are packed with each unit.

In order to consistently bring you the highest quality, full featured products, we reserve the right to change our specifications and designs at any time.

FRANK W. MURPHY MANUFACTURER P.O. Box 470248; Tulsa, Oklahoma 74147; USA tel. (918) 627-3550 fax (918) 664-6146 e-mail sales@fwmurphy.com http://www.fwmurphy.com



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■ **FRANK W. MURPHY MFR.**—Control Systems & Services
P.O. Box 1819; Rosenberg, Texas 77471; USA
tel. (281) 342-0297 fax (281) 341-6006
e-mail sales@fwmurphy.com

■ **FRANK W. MURPHY, LTD.**
Church Rd.; Laverstock, Salisbury SP1 1QZ; U.K.
tel. +44 1722 410055 fax +44 1722 410088
e-mail sales@fwmurphy.co.uk
http://www.fwmurphy.co.uk

■ **FRANK W. MURPHY FRANCE**
tel. +33 1 30 762626 fax +33 1 30 763989

■ **MURPHY DE MEXICO, S.A. DE C.V.**
Blvd. Antonio Rocha Cordero 300, Fracción del Aguaje
San Luis Potosí, S.L.P.; México 78384
tel. +52-48-206264 fax +52-48-206336
e-mail ventas@murphymex.com.mx

■ **FRANK W. MURPHY PTE., LTD.**
No. 2 Tuas South Street 2,
Sprintecs Bldg., #02-01/02
Singapore 638042
tel. +65 863-1398 fax +65 863-0208
e-mail fwmsales@fwmurphy.com.sg

■ **MURPHY SWITCH OF CALIFORNIA**
41343 12th Street West
Palmdale, California 93551-1442; USA
tel. (661) 272-4700 fax (661) 947-7570
e-mail sales@murphyswitch.com
http://www.murphyswitch.com

■ **MACQUARRIE CORPORATION**
1620 Hume Highway;
Campbellfield, Vic 3061; Australia
tel. +61 3 9358-5555 fax +61 3 9358-5558
e-mail murphy@macquarrie.com.au