

ASM200 Auto Start Module

DESCRIPTION

The ASM200 MURPHYMATIC® Auto Start Module is an automatic engine controller that comes in a compact low-cost enclosure. The ASM200 may be used in conjunction with other Murphy signalling devices to automatically crank, start, monitor, and shutdown an engine.

APPLICATION

The ASM200 completely automates your engine. You no longer have to manually crank and start your engine and you can feel safe knowing that the ASM200 will protect your investment. Acting as your eyes, the ASM200 monitors your engine's vital signs and alarms or shuts it down should a malfunction occur. For example, if the engine RPM falls below crank disconnect before the oil pressure time delay has expired, the ASM200 will lock out cranking for 10 seconds before re-engaging the starter. This saves the starter from unnecessary wear. If the engine RPM falls below crank disconnect after the oil pressure time delay has expired, the ASM200 will shut-down the engine due to loss of speed.

FEATURES

With several monitoring features and flexible user control, the ASM200 is perfect for the user that needs reliable automatic control for his engine. The ASM200 MURPHYMATIC® has five customer adjustable potentiometers: Crank/Rest times, Number of Cranking attempts, Crank Disconnect RPM, Overspeed RPM, and Oil Pressure Lockout timer. The unit also has four built-in Shutdown functions: OVERCRANK, OVERSPEED, LOW OIL PRESSURE*, and HIGH TEMPERATURE*. Murphy backs this product with their standard two year limited warranty. Call or write today for more information or a quotation. *Requires engine-mounted switches.

SPECIFICATIONS

Voltage (SPECIFY): 12, 24, or 32 VDC

Overspeed Trip: 2,500 Hz to 9,000 Hz adjustable

Crank Disconnect Trip: 60 Hz to 2,000 Hz adjustable

Magnetic Pick-up Input: 1 Vrms minimum

Signal Output Rating: 5A 24 VDC Relay Outputs
500ma Sink Transistor Outputs

Automatic Engine Control Module

ASM200-S.P65
REVISED: 8-02

Solid-State Construction

Compatible with Most New or Existing Murphy SWICHGAGE® Monitoring Systems

Advanced, Rugged, Reliable Microprocessor Based Design

Reverse Polarity Protection: 200 volt peak reverse voltage

Crank/Rest Time: 2 to 20 seconds adjustable

Cranking Attempts: 2 to 12 adjustable

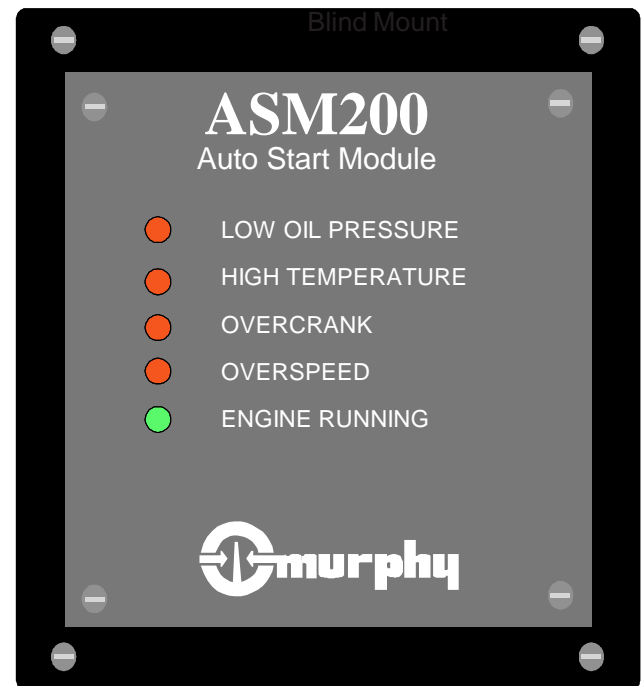
Oil Pressure Lockout Delay: 2 to 60 seconds adjustable

Overall Dimensions: 5-11/16"W (144 MM) x 6-3/8"H (162MM) x 2-3/16"D (56 MM)

Cutout Dimensions: 5-5/16"W (135 MM) x 5-3/8"H (137 MM)

Mounting (SPECIFY): ST Case Mount
Panel Mount

Blind Mount



ASM200 Auto Start Module "ST" Case Model

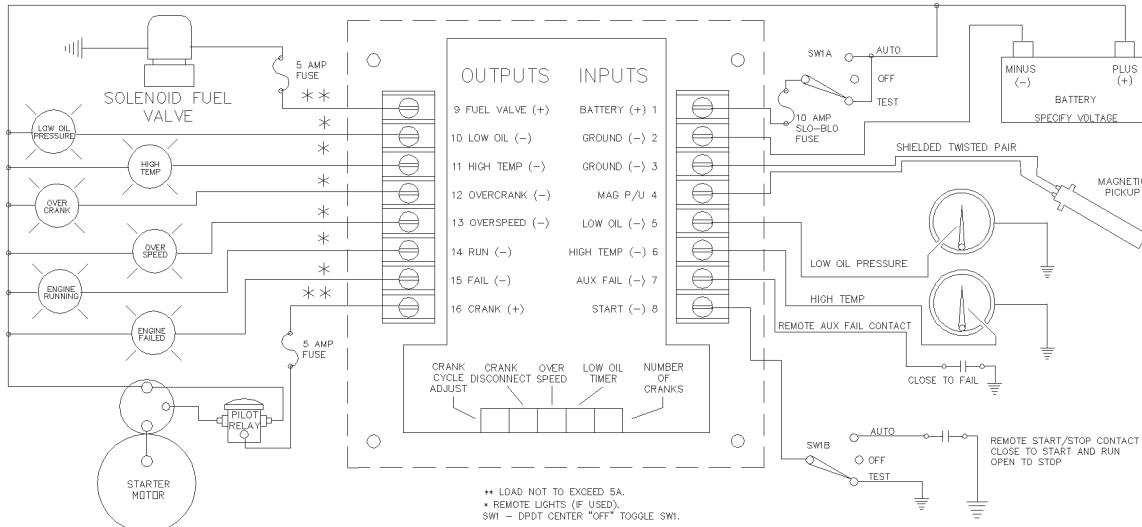


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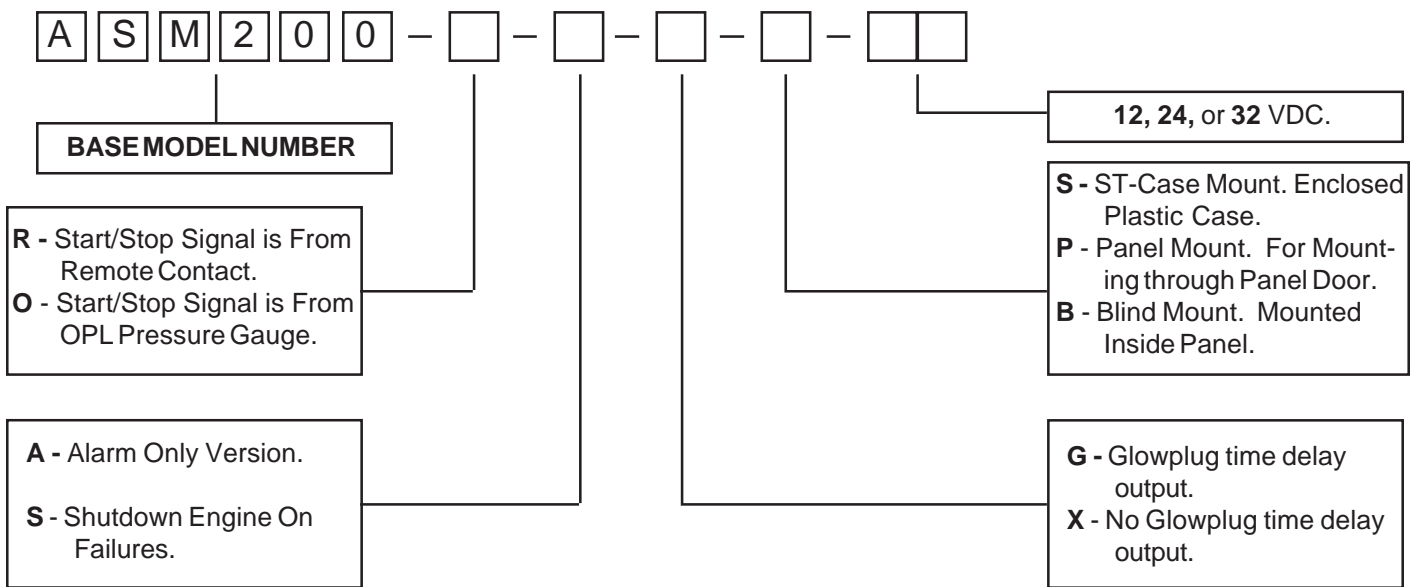
Please Note: In order to consistently bring you the highest quality full featured products, we reserve the right to change our literature, product specifications, and designs at any time. Murphy will continue, as we have in the past, to support the existing product base with replacement parts and/or upgrades.

ASM200 Typical Wiring Diagram*



*Please note: This is an example of ONE configuration. See below for ordering information.

HOW TO ORDER:



A FEW OF OUR OTHER PRODUCTS:

SWICHGAGE® INSTRUMENTS

The Murphy SWICHGAGE® instruments can be used to monitor pressure, vacuum, temperature, high and low fluid levels and signal automatic start, run, stop, speed-up, slow-down, stand-by, etc.

MAGNETIC PICK-UP

Murphy magnetic pick-ups are mounted at the flywheel ring gear and generate a frequency based on the number of gear teeth/gaps on the flywheel. A magnetic pickup wired to the ASM200 allows the unit to disconnect cranking and shut down the engine on Overspeed automatically.

PRE-BUILT ENGINE PANELS

Murphy can also build up panels using the ASM200 as the heart of the control. We add the necessary hardware to allow the unit to be wired directly up to your engine for a quick, easy addition of engine automation. Please see bulletin number A91-926B for more information