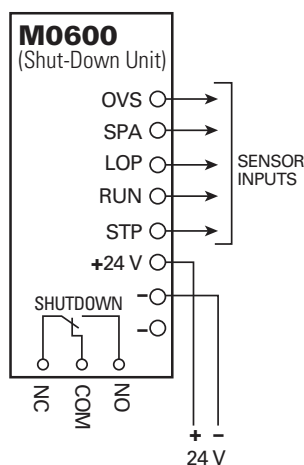


# M0600 SERIES

## Shutdown Unit



### Simplified Circuit Diagram



### Description

The M0600 Shutdown Unit is a back-up protection device designed for marine engines. It is ensuring safety shutdown of the engine in case normal primary shutdown fails. The unit works as a stand-alone protection unit, and is for DIN-rail mounting. Alternatively it can be mounted directly on the back of the M2000 Engine Controller.

Together with Engine controller units M2000 it can be used to build a complete control, alarm and safety system for marine engines. The unit has inputs for overspeed, low oil pressure and one more user defined parameter, which could be e.g. high water temperature. It also has an input to indicate that the engine is running and one to indicate that the engine is stopping.

The monitoring of low oil pressure is only active when the engine is running with a few seconds delay after detection of the running signal. This time delay can be defined via programming switches. A normally open (NO) output relay can give a closing signal which can be used to stop the engine via it's stop coil, and a normally closed (NC) relay can open in order to stop the engine via the fuel valve. The length of the relay activation time can be defined via programming switches.

The M0600 is type approved by major marine classification societies.

#### Input terminals

1. OVS      Overspeed
2. SPA      Spare
3. LOP      Low Oil Pressure
4. RUN      Running (Crank Disconnect)
5. STP      Stop (Engine Stop)
6. + 24 V   Supply Voltage (+)
7. -        Supply Voltage (-)
8. -        Supply Voltage (-)

### Ordering Information

ORDERING NUMBER	DELAY FOR SPA	DELAY FOR LOP
M0600.0010	100 msec.	500 msec.
M0600.0020	1.5 sec.	1.5 sec.

### Features & Benefits

FEATURES	BENEFITS
<b>Stand-alone unit</b>	Runs independantly, as a back-up for the M2000
<b>Combines with M2000</b>	Provides complete redundancy
<b>Mountable on rear of M2000</b>	Flexibility of use; Also DIN-rail mountable

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