



ENGINE SAVER®



Providing Protection for Thousands of Engines Worldwide Since 1980

Early Warning - Without false alarms - This is Engine Protection that works!

Thousands in service worldwide, fully supported with on-site installation, spare parts and test equipment. The new **Model 550 Level 8** continues this tradition, adding Watertight Integrity but remaining fully interchangeable with the Level 7 s existing harness and sensors -- a plug & play upgrade!

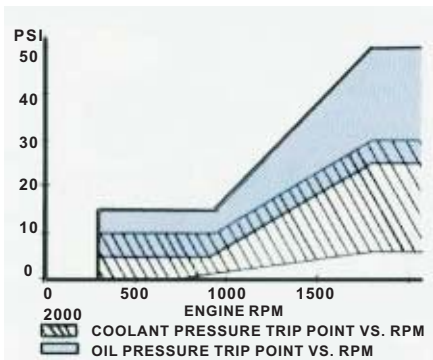
The **Engine Saver** monitors a combination of pressure, temperature and RPM on 8, 12 and 16 cylinder diesel engines, and detects the early signs of trouble **before** damage occurs - long before an attentive operator could detect it on the gauges - and without false alarms.

The Engine Saver Detects:

- | | | |
|----------------------------|-----------------------|---------------------|
| Loss of coolant | Partially blocked oil | Worn pump impellers |
| Low coolant | or water pumps | Worn bearings |
| De-aeration baffle fatigue | Fuel dilution | Governor failure |
| Broken/worn rings | Overspeed | Radiator cap loose |
| Hole in a piston | Overheating | Scored cylinder |
| Loss of oil | Clogged breathers | |



10" X 7.4" X 5.9" Compact Size; Mounts inside or outside



The engine is protected over its entire operating range from idle to peak torque to max. allowable RPM. The unit is fully adjustable to suit all types of engines in all types of operating conditions:

- Mining
- Construction
- Irrigation
- Marine
- Railway
- Military
- Power Generation

FEATURES

- Built-in status panel (Optional remote available) gives complete picture of engine operating condition and fault location, even after shutdown.
- Auxiliary analog outputs for trend analysis & overhaul/maintenance forecasting.
- SPDT heavy-duty output relay permits a wide choice of alarm/shutdown options including pre-shutdown warning.
- Trip points automatically lower when engine is idling or lugged down. All trip and enable points are fully adjustable. Enable time delay changes automatically with engine temperature.
- Unit will enable on Turbo Boost or RPM (or both) at installer's option. Choice of 3 RPM sources.
- All internal adjustments have status indicators and are marked for accurate and easy adjustment.
- Two custom optional inputs.
- Failsafe operation with flashing lights showing location.
- Easy to install - complete manual supplied.
- Weather resistant and tamper proof; unit is lockable.
- 24V input - transient and reverse polarity protected, suppressors built-in to withstand nearby arc welding. Voltage converters available.
- Fully supported with spare parts, repair service, test equipment and a Two-Year Warranty.
- Also available as part of complete gauge package (Model 565)



The Inside Story: Built rugged and reliable. Our Model 550 Level 8 features a new case which ensures Watertight Integrity.

SPECIFICATIONS

PARAMETER	ADJUSTMENT RANGE	FACTORY SETTING
TURBO ENABLE	NON-ADJUSTABLE	15" Hg.
RPM ENABLE	200 - 1800 RPM	1500 RPM
OVERSPEED	600 - 3000 RPM	2500 RPM
CRANKCASE PRESSURE	FIXED 8", 10" or 15" WATER	10" WATER
IDLE OIL PRESSURE	5 - 15 PSI MODULATED	15 PSI
RUN OIL PRESSURE	25 - 50 PSI MODULATED	35 PSI
IDLE COOLANT PRESS.	0 - 9 PSI MODULATED	5 PSI
RUN COOLANT PRESS.	5 - 30 PSI MODULATED	10 PSI
TEMPERATURE	65 - 140 °C	100° C
SHUTDOWN DELAY	1 - 60 SECONDS	10 SECONDS

Designed and Built by



FLIGHT SYSTEMS

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