This system is designed to be flexible enough to operate with most applications. It can be used as a “demand start” for generators, be controlled by an “irrigation” controller, programmed for 3 different 7 day programs or simply stopped or started by float or pressure switches.

It shuts down on low oil, high water temperature, low radiator level (TNV & JCB only) and fan belt failure.

Features and benefits

- Sturdy weatherproof cabinet
- Various input/output stop methods
- Inbuilt engine protection
- Locally designed and built
- Full engine protection
- 7 day/24 hour programmable timer
- Manual override
- Digital hour meter
- Pump loss of prime switch
- Supplied fully wired on new engines or gensets
- External emergency ‘E’ stop button

Operation

There are 3 methods of starting an engine with the systems:
1. Via a no-voltage, normally open circuit being closed, or
2. Via the 7 day, 24 hour timer, or
3. Manually

There are then 4 methods of stopping the engine:
1. By opening the no-voltage circuit, or
2. Via the 7 day, 24hr timer, or
3. Via the auxiliary, normally open circuit which can be used with a pressure gauge, float switch etc. or
4. Manually
Engine Protection Systems

**ACD-EC90**
- Low oil pressure
- "E" Stop Button
- Low battery volts
- First out indicator
- Weatherproof cabinet

**ACD-EC150**
- Low oil pressure
- Tachometer
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- 1 x Spare Input (eg: float level)

**ACD-ACP200**
- Low oil pressure
- Tachometer
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- Auto Start/Stop controller
- 7 Day, 24 Hour programmable timer

**TF/TS Series - Water Cooled Engines**

**TF-EC90**
- Low oil pressure
- High water temperature
- Belt breakage
- "E" Stop Button
- Low battery volts
- First out indicator
- Weatherproof cabinet

**TF-EC150**
- Low oil pressure
- High water temperature
- Belt breakage
- Float switch
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- 1 x Spare Input (eg: float level)

**TF-ACP200**
- Low oil pressure
- Tachometer
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- Auto Start/Stop controller
- 7 Day, 24 Hour programmable timer

**TNM/TNV Series - Multi Cylinder, Water Cooled Engines**

**TNV-EC90**
- Low oil pressure
- High water temperature
- Low radiator level
- Belt breakage
- "E" Stop Button
- Low battery volts
- First out indicator
- Weatherproof cabinet

**TNV-EC150**
- Low oil pressure
- High water temperature
- Low radiator level
- Belt breakage
- Float switch
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- 1 x Spare Input (eg: float level)

**ACP200-TNV**
- Low oil pressure
- Tachometer
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- 7 Day, 24 Hour programmable timer

**JCB Diesel Max 444/448 Series Engines**

**JCB-EC90**
- Low oil pressure
- High water temperature
- Low radiator level
- Belt breakage
- "E" Stop Button
- Low battery volts
- First out indicator
- Weatherproof cabinet

**JCB-EC150**
- Low oil pressure
- High water temperature
- Low radiator level
- Belt breakage
- Float switch
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- 1 x Spare Input (eg: float level)

**ACP200-JCB**
- Low oil pressure
- Tachometer
- "E" Stop Button
- Hour meter
- First out indicator
- Low battery volts
- Count down timer
- Weatherproof cabinet
- 7 Day, 24 Hour programmable timer

**Pump Protection**

**E-Stop**
- All units come with E Stop button now as a standard feature. Ideal for environments requiring emergency stop provision.

**PPT-300CD**
- 20 Bar (300 PSI) Pump Pressure Transducer (supplied loose)

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**Exclusive and Authorised Australian & NZ Distributor of Yanmar and JCB Diesel engines**

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