

**DESCRIPTION**

The Timer & Engine Control Module is an all-in-one product that includes a scheduler, engine auto start and stop, and safety shutdowns for low oil pressure, high engine temperature and over crank. Select the number of starts per day, run time per start, cycle window (hours during the day) and days of the week. The module is housed in a robust, sealed enclosure with a sealed connector. Applications include irrigation, well pump control and other unattended equipment run on a daily schedule. Manual mode for manual start/stop.

**DISPLAY**

Large backlit display with 1/2" characters.



Manual Start



Cycle Timer Armed



Low Oil Alarm



Countdown to Start

**OPERATION**

Operation is simple. Upon initial set up, input the current date and time. From there simply select the following parameters:

- 1) Cycles per Day (# of starts per day)
- 2) Run Duration (# of hours engine runs per cycle)
- 3) Cycle Window (Ex. Operate from 9:00am to 5:00 pm only)
- 4) Days of the Week (Ex. Operate from Monday to Friday only)

**EXAMPLE**

- 1) Cycles per Day (8 Starts per Day)
- 2) Run Duration (30 Minutes per Cycle)
- 3) Cycle Window (9:00am to 5:00pm Only)
- 4) Days of Week (Monday thru Friday Only)

Day	12mid	1am	2am	3am	4am	5am	6am	7am	8am	9am	10am	11am	12noon	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm
Monday																								
Tuesday																								
Wednesday																								
Thursday																								
Friday																								
Saturday																								
Sunday																								

Run Time

Set Up Time  
1:15pm  
First Cycle  
Starts at 2:00pm

Cycle Window - 9:00am to 5:00pm



Running Display with Battery Voltage and Engine Hours



Back

**SPECIFICATIONS**

**GENERAL**

OPERATING VOLTAGE.....5.5 VDC to 20VDC  
 CURRENT CONSUMPTION AT 12.6V.....350mA  
 CURRENT CONSUMPTION AT 12.6V (Sleep Mode).....15mA  
 OPERATING TEMPERATURE.....-20°C to +70°C  
 STORAGE TEMPERATURE.....-30°C to +80°C  
 HUMIDITY.....95% Non-condensing  
 REVERSE POLARITY PROTECTION.....Yes  
 TRANSIENT VOLTAGE SUPPRESSION.....Yes  
 LOAD DUMP PROTECTION.....Yes  
 DISPLAY.....LCD, 1"X 4"W, (2 lines x 16 characters/line)  
 ENCLOSURE.....Polycarbonate  
 OVERLAY/INTERFACE.....Autotex Polyester  
 APPROX. WEIGHT.....1.5 lbs  
 APPROX. DIMENSIONS.....5.69"H x 6.57"W x 1.61"D

**INPUTS**

ANALOG INPUT.....1  
 DIGITAL FLEX INPUT.....1  
*Configurable as: 1) Normally open or normally closed, 2) Relay closure, pre alarm or alarm, 3) User defined message for display*

**FLEX OUTPUTS**

5A FORM A DRY CONTACTS.....2  
 5A OR 10A FORM A DRY CONTACTS (Specification Dependent).....2  
*Each output is configurable as: 1) Normally open or normally closed, 2) Pre alarm or alarm*

**CONNECTOR**

TYCO AMPSEAL 14-PIN.....ENVIRONMENTALLY SEALED

**OTHER**

DISPLAY BACKLIGHT ADJUSTMENT.....SELECTABLE  
 DISPLAY TEMPERATURE CONTRAST ADJUSTMENT.....AUTOMATIC

**Extreme Cold Weather Option**

OPERATING TEMPERATURE.....-45°C to +85°C  
 STORAGE TEMPERATURE.....-55°C to +95°C