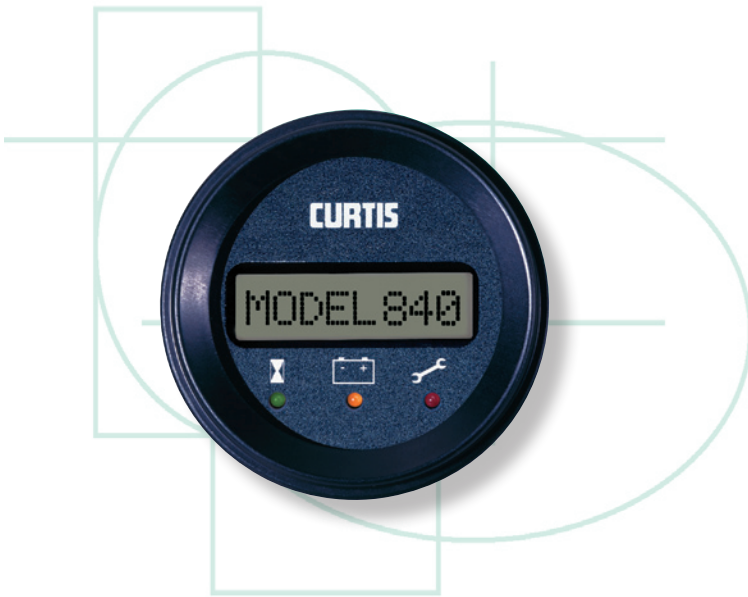


# SERIAL DATA DISPLAY



CURTIS

## MODEL 840



### DESCRIPTION

Displays various system parameters, such as battery state-of-charge, operating hours or maintenance status from a Curtis motor controller or other serial communication source.

### APPLICATION

Curtis Model 840 is ideal for use in material handling vehicles such as pallet trucks, walkies, stackers and order pickers as well as other equipment with a need to display data using a dedicated unidirectional asynchronous serial signal.

### FEATURES

- Attractive, easy-to-read, 8 character dot matrix Liquid Crystal Display enhances the look of any vehicle.
- Two display versions available:
  - 3 LEDs -green to indicate that hour meter is being displayed, amber to indicate that battery state-of-charge is being displayed and red to indicate that a fault has occurred.
  - 6 LEDs -five green to indicate battery state-of-charge and one red to indicate that a fault has occurred.
- Standard models display hours of use, battery state-of-charge and messages from a Curtis motor controller.
- Interfaces directly to Curtis motor controllers and displays various system parameters.
- Molded-in rear Molex style connector provides a low-cost, rugged and reliable installation.
- Front sealed (IP65) for use in harsh environments.

### Options

- Heater version available for freezer applications.
- Backlighting for reading in low lit environments.

# MODEL 840

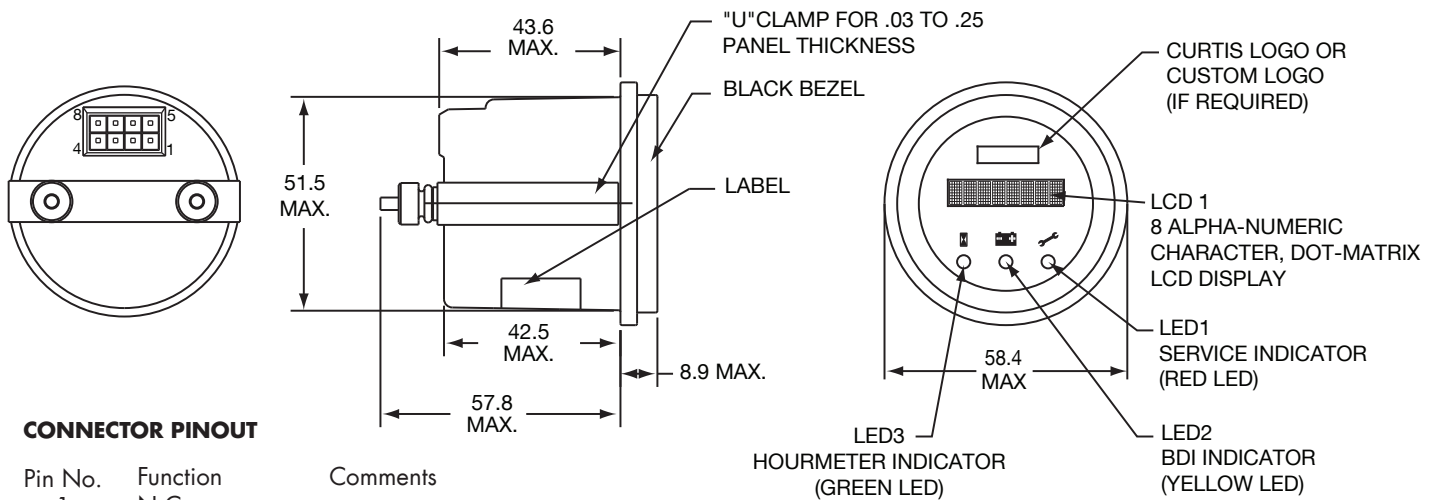
## MODEL CHART

Model	Housing	Operating Voltage	Temperature Rating	Backlighting	Input	LED #	Logo
840	R	015R	S	N	A	101	-0
		015R = 12VDC	S = -10°C to +70°C F = -40°C, +70°C	N = No B/L B = Backlit	A = Std	101 = 3 LED 102 = 6 LED	O = Curtis N = No Logo

## SPECIFICATIONS

- Display: 8-character, alphanumeric, dot-matrix LCD with optional backlighting.
- Operating Voltage Range: 12.0 to 15.0 VDC
- Operating Temp. Range: -10°C to +70°C (Standard Model)  
-40°C to +70°C (Freezer Model)
- Storage Temp. Range: -40°C to +70°C
- Shock & Vibration: Meets SAE J 1378 (Jul 98)
- Enclosure Protection: IP65 (Face), IP40 (Rear)
- Mating Connector: Molex 8 pin, 39-01-2085

## DIMENSIONS mm



### CONNECTOR PINOUT

Pin No.	Function	Comments
1	N.C.	
2	N.C.	
3	B+ =24V	Optional Heater B+ =24V (Freezer Unit Only)
4	B+ =36V	Optional Heater B+ =36V (Freezer Unit Only)
5	POWER IN +	+12V/+15V From PMC Motor Controller
6	RECEIVE	Communication Input
7	N.C.	
8	POWER IN -	Common From Motor Controller

**Note:** In addition to a "U" clamp and thumbnuts/washers shown in the drawing, individually packed units are provided with a mating connector and female pins. Bulk packed units are provided with a "U" clamp and hex nuts/washers only.

**WARRANTY** Two year limited warranty from time of delivery.

