**CURTIS**

## 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 Model 1297 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.

## 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.*

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

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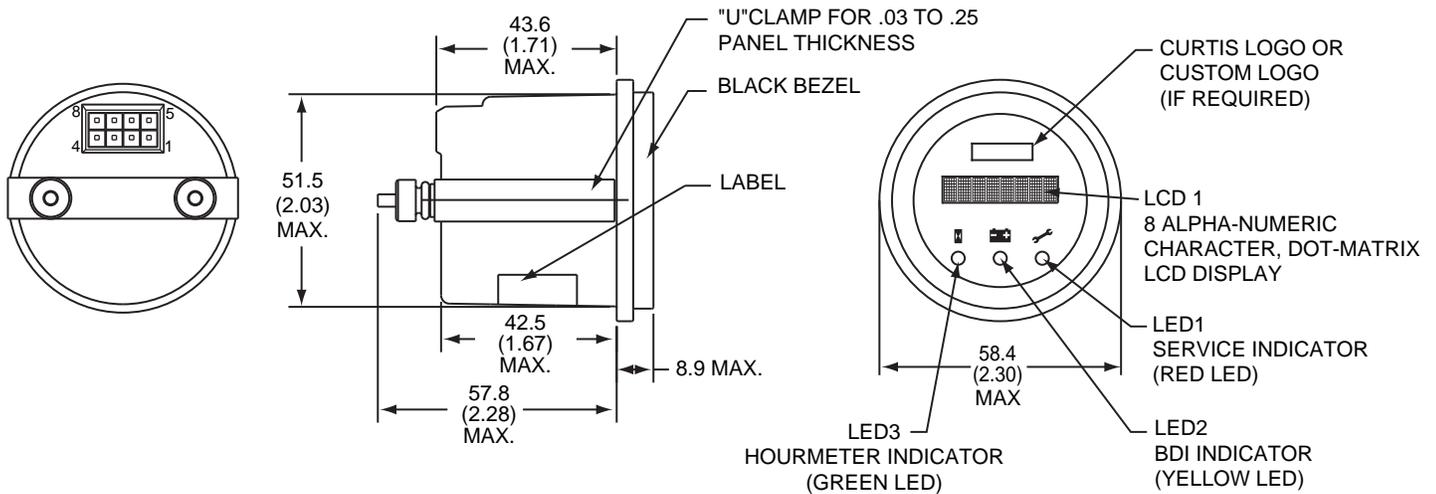TEL 91 (0) 20-5531288
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| | |
|---|---|
| **Display:** | 8-character, alphanumeric, dot-matrix LCD with optional backlighting. |
| **Operating Voltage Range:** | 12.0 to 15.0 VDC |
| **Operating Temperature Range:** | -10°C to +70°C (Standard Model) |
| | -40°C to +70°C (Freezer Model) |
| **Storage Temperature 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 |

## Model Number Description

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

## Dimensions: mm (inches)



| 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.