

# VEHICLE CONTROLLER MONITOR



## MODEL 841



### DESCRIPTION

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

### APPLICATION

The Curtis Model 841 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 battery state of charge, operating hours and controller fault codes.

### FEATURES

- Attractive, easy-to-read, 8 character dot matrix Liquid Crystal Display enhances the look of any vehicle.
- Standard models display hours of use, battery state-of-charge and fault code messages from a Curtis motor speed controller.
- 3 LED's:
  - Green to indicate that hour meter is active.
  - Amber to warn of battery state-of-charge lower than 20% remaining.
  - Red to warn that controller fault has occurred or battery state-of-charge lower than 10% remaining.
- Interfaces directly with Curtis Model EVC255, 1244, 1254 motor controllers and displays various fault codes.
- Relay lift lockout to prevent deep discharging of batteries.
- Can be programmed to work with a variety of Curtis motor speed controller models as well as controllers of other manufacturers.
- Molded-in rear Molex style connector provides a low-cost, fast and reliable installation.
- Front sealed (IP65) for use in harsh environments.

### Options

- Heater available for freezer applications.
- Backlighting for reading in low lit environments.
- Module design for efficient, lower cost panel mounting.

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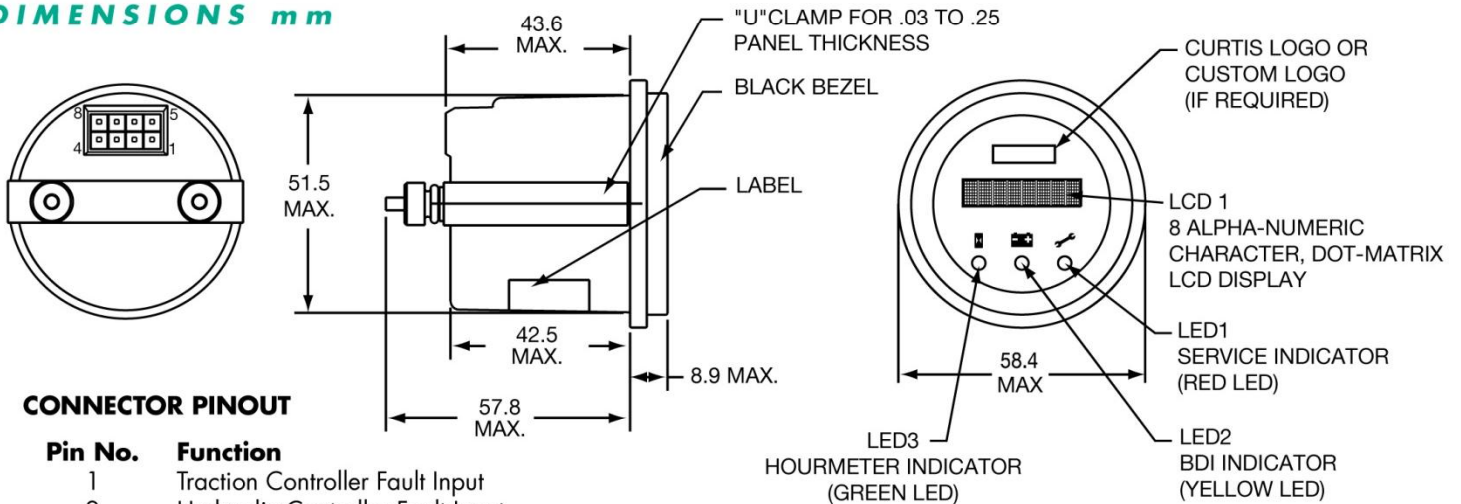
## MODEL NUMBER DESCRIPTION

841 Model	- Housing	R - Voltage	V - Reset Opt.	R - Discharge Opt.	D - Fault Code Read Opt.	XX - Sequential Number	YY - Logo	- 0
		24VDC 36VDC 48VDC 80VDC						
			Volts per cell					O = Curtis N = No Logo
			<b>Code</b>	<b>Ocr (Full)</b>	<b>Ctr (Full)</b>	<b>Ctr (Empty)</b>	<b>Code Empty</b>	<b>Full</b>
			B	2.090	2.35	2.10	N	1.730 2.040
			D	2.060	2.32	2.10	G	1.750 1.970
			T	2.028	2.28	2.10	W	1.850 2.020

## SPECIFICATIONS

- Display: 8-character, alphanumeric, dot-matrix LCD.
- Operating Voltage Range:
  - 80V nominal: 60 - 100 VDC
  - 48V nominal: 36 - 60 VDC
  - 36V nominal: 27 - 45 VDC
  - 24V nominal: 18 - 30 VDC
- Operating Temp. Range: -40°C to +70°C
- Storage Temp. Range: -40°C to +80°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
1	Traction Controller Fault Input
2	Hydraulic Controller Fault Input
3	Relay ARM (+)
4	Relay N.C.
5	B+
6	B-
7	KSI
8	Hour Meter Enable (+)

**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.