

Battery Indicator Quadrate



TECHNICAL SPECIFICATION

System Voltages	12V 24V 36V 48V 72V
Operating Voltage	+25%~50% of nominal voltage
Operating Temperature	-40°C~+55°C
Storage Temperature	-50°C~+90°C
Shock & Vibration	Meets SAEJ1378

SPECIFICATION

Model	Rated Voltage
TCDL-D-12V	12V
TCDL-D-24V	24V
TCDL-D-36V	36V
TCDL-D-48V	48V
TCDL-D-72V	72V

FEATURES

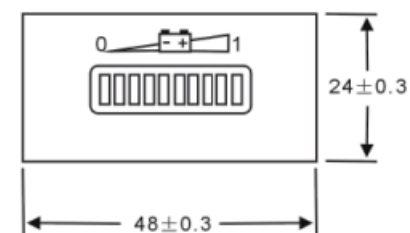
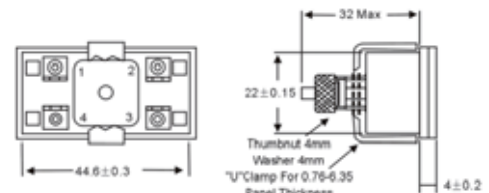
1. All principal circuits are integrated in a single chip for long-life and reliability.
2. A 10-bar LED displays the state of charge successively, bar by bar, from full to empty.
3. At 70% depth of discharge (30% S.O.C), a flashing LED signals energy reserve alert.
4. At 80% discharge, alternately flashing LEDs provides an "empty" status warning.
5. The TCDL recognizes an improperly charged battery.
6. High Voltage Reset-HVR Gauge must measure 2.35 volts per cell for 6 continuous minutes during charging.
7. The key switch drives the LED and control pin #3. The LED does not display when the control pin #3 outputs 0V, so when pin #3=0V to shut off the electric equipment, the LED will also not display.

MODULE CONFIGURATION

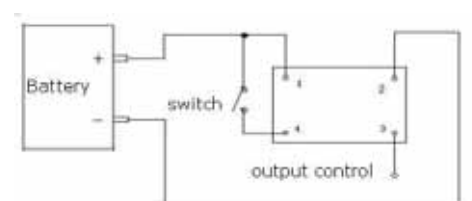
Terminal:

1. Battery Cathode
2. Battery Anode
3. Output control signal. When it works correctly, outputs 5V(10k Ohm). When it runs out of battery, no voltage outputs and the resistance is 5K Ohm
4. Connect the Key Switch to the battery cathode to turn on, and open the circuit or connect it to the earth to turn off.

MODE DESCRIPTION



SCHEMATIC DIAGRAM



Battery Indicator Hexagon



TECHNICAL SPECIFICATION

System Voltages	12V 24V 36V 48V 72V
Operating Voltage	+25%~50% of nominal voltage
Operating Temperature	-40°C~+55°C
Storage Temperature	-50°C~+90°C
Shock & Vibration	Meets SAEJ1378

SPECIFICATION

Model	Rated Voltage
TCDL-F-12V	12V
TCDL-F-24V	24V
TCDL-F-36V	36V
TCDL-F-48V	48V
TCDL-F-72V	72V

FEATURES

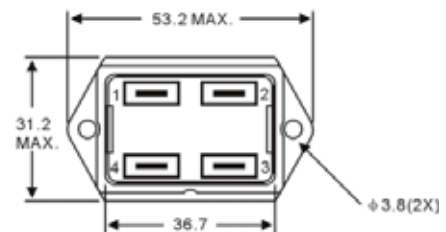
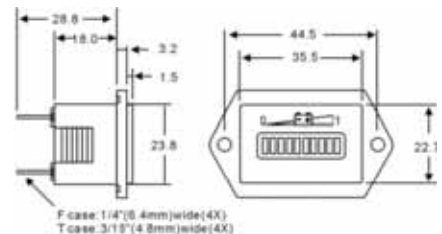
1. All principal circuits are integrated in a single chip for long-life and reliability.
2. A 10-bar LED displays the state of charge successively, bar by bar, from full to empty.
3. At 70% depth of discharge (30% S.O.C), a flashing LED signals energy reserve alert.
4. At 80% discharge, alternately flashing LEDs provides an "empty" status warning.
5. The TCDL recognizes an improperly charged battery.
6. High Voltage Reset-HVR Gauge must measure 2.35 volts per cell for 6 continuous minutes during charging.
7. The key switch drives the LED and control pin #3. The LED does not display when the control pin #3 outputs 0V, so when pin #3=0V to shut off the electric equipment, the LED will also not display.

MODULE CONFIGURATION:

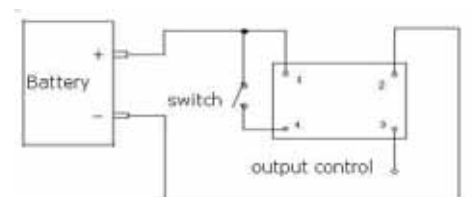
Terminal:

1. Battery Cathode
2. Battery Anode
3. Output control signal. When it works correctly, outputs 5V(10k Ohm). When it runs out of battery, no voltage outputs and the resistance is 5K Ohm
4. Connect the Key Switch to the battery cathode to turn on, and open the circuit or connect it to the earth to turn off.

MODE DESCRIPTION



SCHEMATIC DIAGRAM



Battery Indicator Round



TECHNICAL SPECIFICATION

System Voltages	12V 24V 36V 48V 72V 96V 120V 144V
Operating Voltage	+25%~50% of nominal voltage
Operating Temperature	-40°C~+55°C
Storage Temperature	-50°C~+90°C
Shock & Vibration	Meets SAEJ1378

SPECIFICATION

Model	Rated Voltage
TCDL-H-12V	12V
TCDL-H-24V	24V
TCDL-H-36V	36V
TCDL-H-48V	48V
TCDL-H-72V	72V
TCDL-H-96V	96V
TCDL-H-120V	120V
TCDL-H-144V	144V

FEATURES

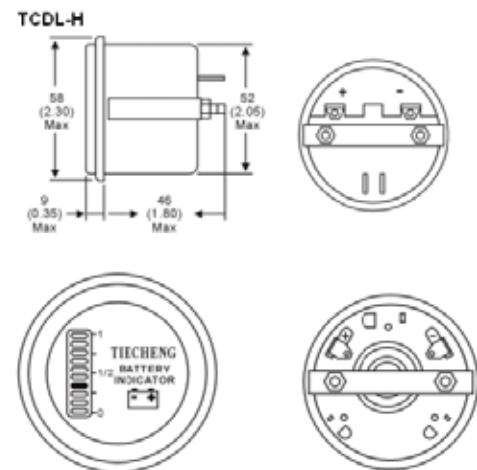
1. All principal circuits are integrated in a single chip for long-life and reliability.
2. A 10-bar LED displays the state of charge successively, bar by bar, from full to empty.
3. At 70% depth of discharge (30% S.O.C), a flashing LED signals energy reserve alert.
4. At 80% discharge, alternately flashing LEDs provides an "empty" status warning.
5. The TCDL recognizes an improperly charged battery.
6. High Voltage Reset-HVR Gauge must measure 2.35 volts per cell for 6 continuous minutes during charging.
7. The key switch drives the LED and control pin #3. The LED does not display when the control pin #3 outputs 0V, so when pin #3=0V to shut off the electric equipment, the LED will also not display.

MODULE CONFIGURATION:

Terminal:

1. Battery Cathode
2. Battery Anode
3. Output control signal. When it works correctly, outputs 5V(10k Ohm). When it runs out of battery, no voltage outputs and the resistance is 5K Ohm
4. Connect the Key Switch to the battery cathode to turn on, and open the circuit or connect it to the earth to turn off.

MODE DESCRIPTION



SCHEMATIC DIAGRAM

