

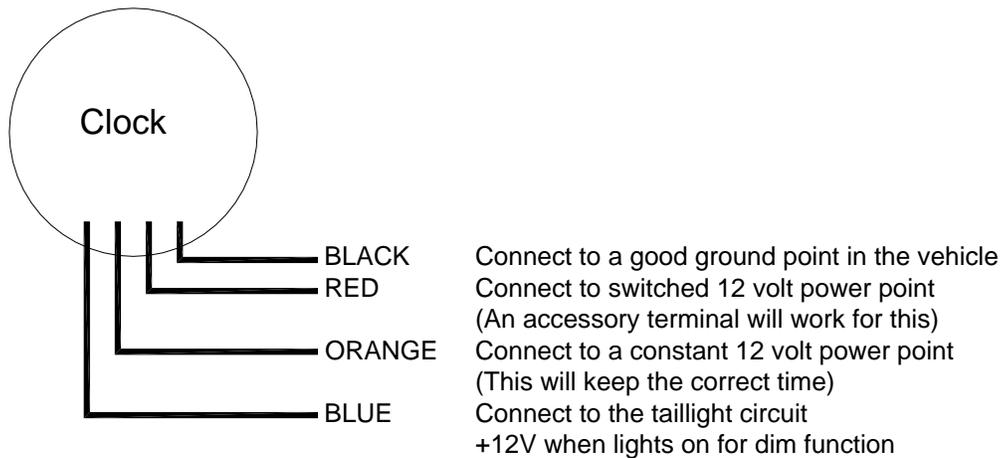


Digital Clock

The digital clock from Dakota Digital, Inc. incorporates the reliability and quality of our standard gauges, along with several unique features and easy mounting. These features include:

- Quartz accuracy
- Night dimming feature
- Very low standby power to prevent battery drain
- High visibility VFD display for sunlight readability
- Displays current time in 12 hour format

Wiring:



Setting the time with remote switches:

The remote mounted red and black push buttons will be used to set the clock. The BLACK "set" button advances hours, the RED "set" button advances minutes. Each time that you make a change to either the hours or minutes, the seconds are reset to zero.

Setting the time through lens:

Using a small, thin object such as a pen or hairpin, press "set" buttons through front lens access holes. The access holes are on the right side of the lens. Top "set" button advances hours, bottom "set" button advances minutes.

Adjusting the accuracy:

The clock is accurate to +/-2 minutes a month as it is set, but it can be tuned for better accuracy if desired. Press and hold both of the set buttons for several seconds. The clock will display "C 0". The "C" indicates that it is in the calibration mode and the second number is the current calibration value. The calibration value indicates the number of seconds to add or subtract each day. The clock can be adjusted from +7 sec/day to -7 sec/day.

Press the minute set button to change the cal value. Press the hour set button to return to normal clock operation.

Technical specifications

Minimum operating voltage	-	7 volts
Maximum operating voltage	-	18 volts
(Operating at or near maximum rating for an extended time can damage unit)		
Clock accuracy	-	±2 minute per month
Typical current draw (@ 13.8V)	-	0.13 A
Standby current draw (key off)	-	0.002 A

Troubleshooting guide

<u>Problem</u>	<u>Possible cause</u>	<u>Solution</u>
Clock will not light up	Red wire does not have power.	Connect to a location that has power when the key is on.
	Orange wire does not have power.	Connect to a location that has power all of the time.
	Black wire is not getting a good ground.	Connect ground to a different location.
	Power is reversed.	Connect black to negative ground, red and orange to +12V power.
Clock will not turn off when the key is off.	Clock is damaged.	Return clock for repair. (see instructions)
	The red and orange wires are reversed.	Connect the red to switched power, the orange to constant power.
Clock lights up, but does not read correctly.	Loose connection on orange power wire.	Reconnect orange wire.
	Poor ground connection.	Move ground to different location
	Time is not set.	Set time. (see instructions)
	Clock is damaged.	Return clock for repair. (see instructions)
Clock will not keep time.	Orange wire does not have constant power.	Connect to a location that has power when the key is on or off.
	Loose connection on orange power wire.	Reconnect orange wire to constant power.
	Poor ground connection.	Move ground to different location
	Blue wire is not connected correctly.	Check wiring connections.
Clock will not dim.	Blue wire is getting power all of the time.	Connect blue wire to location that only has power when the headlights are on.
Clock remains dim at all times.	Battery is very low.	Recharge or replace vehicle battery.
	Clock is damaged.	Return clock for repair. (see instructions)

SERVICE AND REPAIR

DAKOTA DIGITAL offers complete service and repair of its product line. In addition, technical consultation is available to help you work through any questions or problems you may be having installing one of our products. Please read through the Troubleshooting Guide. There, you will find the solution to most problems.

Should you ever need to send the unit back for repairs, please call our technical support line, (605) 332-6513, to request a Return Merchandise Authorization number. Package the product in a good quality box along with plenty of packing material. Ship the product by UPS or insured Parcel Post. Be sure to include the RMA number on the package, and include a complete description of the problem with RMA number, your full name and address (street address preferred), and a telephone number where you can be reached during the day. Any returns for warranty work must include a copy of the dated sales receipt from your place of purchase. Send no money. We will bill you after repair.

Dakota Digital 24 Month Warranty

DAKOTA DIGITAL warrants to the ORIGINAL PURCHASER of this product that should it, under normal use and condition, be proven defective in material or workmanship within 24 MONTHS FROM THE DATE OF PURCHASE, such defect(s) will be repaired or replaced at Dakota Digital's option.

This warranty does not cover nor extend to damage to the vehicle's systems, and does not cover removal or reinstallation of the product. This Warranty does not apply to any product or part thereof which in the opinion of the Company has been damaged through alteration, improper installation, mishandling, misuse, neglect, or accident.

This Warranty is in lieu of all other expressed warranties or liabilities. Any implied warranties, including any implied warranty of merchantability, shall be limited to the duration of this written warranty. Any action for breach of any warranty hereunder, including any implied warranty of merchantability, must be brought within a period of 24 months from date of original purchase. No person or representative is authorized to assume, for Dakota Digital, any liability other than expressed herein in connection with the sale of this product.



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