

# Universal Remote



Carlson's Universal Remote, A31UR, provides a remote readout of the number of pulse contacts coming from an electric contacting water meter. The A31UR comes in a NEMA-4 box and a UV protected LCD display that can be exposed to the sun. The complete system consists of an electric contacting water meter remotely connected by means of a low voltage two-conductor wire sent from the water meter to the Universal Remote. The A31UR display will show the measuring value; gallons, cubic feet or liters/cubic meters and the units per pulse.



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# Universal Remote Model Number

MODEL	DESCRIPTION
A31UR	Lithium Battery Operated, Self-Powered

## SPECIFICATIONS

- Display:** UV Protected Liquid Crystal, 8 Digit, .315" high
- Housing:** NEMA-4 (UV protected stabilized ABS plastic)
- Power Input:** Battery Life expectancy 7-10 years.
- Frequency Input:** Maximum frequency: 10 Hz  
Minimum frequency: 0 Hz  
Minimum pulse width: 10ms  
Operating humidity: 100%  
Maximum distance: 500' (depending on wire and electrical noise ~  
18-20 gauge twisted pair wire)
- Operating Temperature:** - 40°F to 180°F
- Dimensions:** Height 4¾", Width 3", Depth 1"
- Weight:** 5 oz.
- Measuring Value:** Gallons, Cubic Feet or Liters/Cubic Meters; plus the signal frequency from the meter 1:1, 10:1, 100:1, 1,000:1
- Input:** Reed Switch or Capacity Discharge Generated Pulses

## INSTALLATION INSTRUCTIONS:

1. Locate the counter in a convenient location. If outdoors, note temperature range
2. Wire counter to the electric contact meter using two conductor wire.
3. It is recommended that the counter be kept away from solenoids, contactors, fans, and other inductive devices.
4. The counter advances 1 digit for each contact received from the meter. To read the counter, multiply the reading by the gallon per contact setting on the meter. (Example: A meter set to 10 GPC (gallons per contact) will send a contact to the remote every 10 gallons so the reading on the remote must be multiplied by 10. See right side of display for contact ratio.
5. If the contact meter being used to control this counter is also sending a signal to another device, a signal splitter is required. An electric contacting meter can generate only one dry contact unless a PP101 power pack (signal splitter) is used. Contact Carlon Meter for assistance.

**Warranty:** Carlon Meter, Inc. warrants its products to be free of defect in material or workmanship for a period of twelve months from the date of purchase. Contact us to obtain a copy of our complete statement of warranty.