



Aclara® DRU

Demand Response Unit



When energy demand is high, the Aclara DRU reduces peak-power costs without impacting customer service.

The Aclara Demand Response Unit (DRU) is a two-way device that curbs demand and safeguards against under-voltage or under-frequency conditions. At the heart of the DRU is the unique Intelligent Comfort™ system, which employs a patent-pending, adaptive load-control algorithm and a unique, 24-hour energy-use appliance profile to provide adaptive control while eliminating the need for complex system modeling.

EACH ACLARA DRU DELIVERS:

Distributed Load Shedding

Cycles appliances on and off intelligently to maintain acceptable customer satisfaction.

Power-Interrupt Protection

Maintains load-control strategies during momentary outages.

Direct and Autonomous Load Control

Ensures fair distribution of loads across network.

Flexible Load management

Adjusts for time and season.

Tamper Detection

Indicates potential bypass of the control relay.

Two-Way Communication

Aids in troubleshooting.

Adaptable Design

Handles up to two residential appliances or commercial systems.



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PRODUCT SPECIFICATIONS

Line Voltage	208 - 240 VAC ± 10%
Frequency	60 Hz ± 3.0 Hz
Quiescent Power	1W ± 0.5W
Max Current Draw During Signaling	25A
RMS Operating Temperature	30°C to +55°C
Operating Humidity	0% to 95% ± 4%, non-condensing
Current Sense Range	
5A Pilot	70 mA - 5A
30A Contactor	350 mA - 30A

The C-DRU is rated at 30A continuous when mounted in a socket rated at 125A.

DIMENSIONS

Height	9.00 in.
Width	8.20 in.
Depth	
Standard	3.25 in.
C-DRU	5.80 in.

C-DRU

Weight (Integrated)	
Standard	2.50 lbs
C-DRU	2.75 lbs

CONFIGURATIONS

Standard DRU & C-DRU	5A, 30A relays	2-way
Standard DRU	5A, 5A relays	2-way
Standard DRU	30A, 30A relays	2-way

MOUNTING

The Standard DRU is designed with three external mounting tabs, and the C-DRU is designed for mounting into a standard 4 jaw, s-base meter socket.