

## 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.





# Aclara DRU Demand Response Unit

#### **PRODUCT SPECIFICATIONS**

Line Voltage 208 - 240 VAC ± 10%

Frequency  $60 \text{ Hz} \pm 3.0 \text{ Hz}$ Quiescent Power  $1\text{W} \pm 0.5\text{W}$ 

Max Current Draw During Signaling 25A

RMS Operating Temperature  $30^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$ Operating Humidity 0% to  $95\% \pm 4\%$ ,

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.

Aclara Technologies LLC is a world-class supplier of smart infrastructure solutions (SIS) to more than 780 water, gas, and electric utilities globally. Aclara SIS offerings include smart meters and other field devices, advanced metering infrastructure and software and services that enable utilities to predict and respond to conditions, leverage their distribution networks effectively and engage with their customers. Aclara Technologies LLC is owned by an affiliate of Sun Capital Partners. Visit us at Aclara.com, phone 800 297 2728 or contact us at info@aclara.com and follow us on Twitter @AclaraSolutions.