

Overview

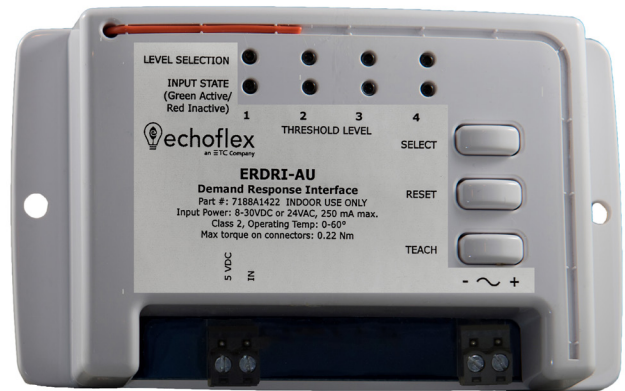
The Echoflex Demand Response Interface is a dedicated contact closure interface that ensures your system can respond to Demand Response requests from the power utility. It makes it easy to integrate energy management into any Echoflex system.

Compliance with Demand Response commands from public utilities are written into many of today's electrical codes, like California's Title 24 and ASHRAE. These codes affect any facility, new or retrofit, that exceeds 10,000 sq.ft. and lighting wattage exceeding 0.5W sq.ft.

Echoflex's Demand Response Interface sends a Demand Response command to your lighting system when the input is closed and a DR cancel when the input is open. An on-board LED array indicates Demand Response threshold level and input state.

The control input is driven by any Open ADR appliance with a dry contact output. Once triggered, a command is sent to Echoflex dimming controllers which assigns a temporary maximum dimming level. Linked sensors and switch stations will not drive the dimming output above this new level. The programmed Demand Response event can be canceled at any time or be allowed to time out.

The interface allows Energy Code Acceptance Test technicians to easily trigger the events during system verification. Echoflex controllers will respond immediately so systems can be approved quickly.



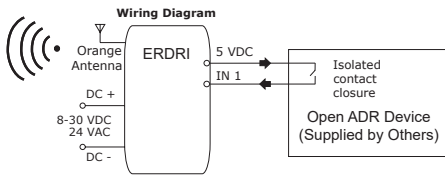
Features

- Dedicated Demand Response control
- Low-voltage interface
- Doubles as a telegram repeater for Echoflex wireless signals
- Available in 902 MHz
- Easy integration into any Energy Management system
- Panel mount for tidy mounting applications
- LED interface for Demand Response threshold level and input state indication
- Interfaces directly with OpenADR appliances with dry contact outputs

Ordering Information

Description	902 MHz Model	902 MHz PN
Demand Response Interface	ERDRI-AU	7188A1422

Wiring Diagram



Supported Profiles: Transmitted

Demand Response command A5-37-01

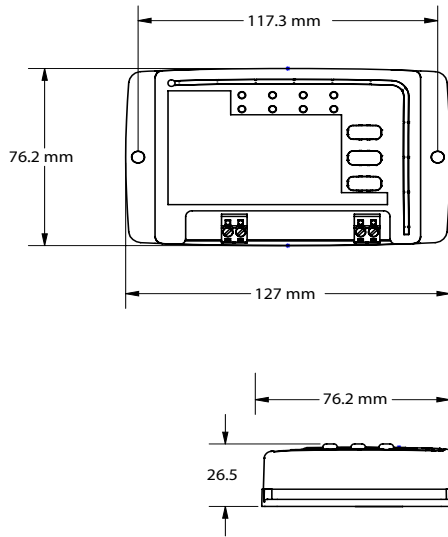
Mechanical Specifications

Operating Temperature	-10 to 45°C / 14 to 113°F
Relative Humidity	5 to 95% non-condensing
Weight	111g (3.9oz)
Dimensions	76.2 x 127 x 27 mm (3 x 5 x 1")
Mounting	Two screws (not included)

Hardware Specifications

Power Supply	8-30VDC or 24VAC power input, 250mA maximum draw
Inputs	Three buttons: Threshold Select, Reset, Teach One 5V input channel
Outputs	Four LEDs indicating selected threshold level One bi-color LED indicating active/inactive input state

Dimensional Diagram



Communications

Radio Frequency	902 MHz
Antenna	Integrated Whip
Transmission Range	24 m (80 ft) - commercial office spaces (typical), up to 100m (330 ft) line of sight

Agency Listings

FCC Part 15.231 - Remote Control Transmitter
IC RSS-210



Energy Code Compliance

California Energy Commission Title 24
Washington State Energy Code
ASHRAE 90.1-2013
IECC 2015
The ERDRI is a RoHS compliant product

Specifications are subject to change without notification.