

A smart way to save on your commercial refrigeration costs.



IntelliCon®-RU

Commercial Refrigeration Unit Electrical Consumption Economizer



The IntelliCon®-RU will reduce electric consumption—typically 10% to 20%—when installed on commercial refrigeration/freezer (refrigeration) systems. IntelliCon-RU using intelligent Dynamic Cycle Management (DCM) Technology represents a major advancement in refrigeration system energy-saving technology, unsurpassed in today's commercial refrigeration marketplace. IntelliCon-RU is easily installed by a qualified installer, maintenance free and guaranteed to save energy.

Features

- Dynamic Cycle Management (DCM) Technology reduces air conditioning electric consumption—typically 10% to 20%
- UL listed, “Energy Management Equipment”
- Increased savings without replacing or upgrading costly system components
- “State-of-the-art” microprocessor-based control—LED indicators show operating modes
- Protects compressor against momentary power outages and short cycling
- Simple installation by a qualified HVAC/R installer
- No programming or follow-up visits required
- Maximum year-round efficiency
- Reduces maintenance and extends compressor life
- Fail-safe operation
- Guaranteed to save energy
- 15-year replacement warranty for breakdowns or defects





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Specifications

Mounting:

Any position via molded-on 1/2"
Electrical Fitting

Size:

4"H x 4" W x 2 1/2"D

Operating Humidity:

5% - 95% Non-Condensing

Operating Temperature Range:

-10°F - +120°F

Power Input:

24/115/220 VAC @ 5W

Control Circuit:

24 VAC/DC, 115/220 VAC

Relay Contact:

10A @ 220VAC General Purpose

UL Listed,

"Energy Management Equipment"

Made in U.S.A.

The *IntelliCon*[®]-RU is a microprocessor-based, UL listed, electronic control that automatically adjusts the compressor cycles to achieve the greatest efficiency and reduced electrical usage. The sizing of refrigeration systems is based upon a number of factors. When any of the design considerations are not met, the refrigeration system can become oversized for the load and thus less efficient.

Intellidyne's intelligent Dynamic Cycle Management (DCM) Technology analyzes the demands and thermal characteristics of the entire refrigeration system, and dynamically modifies the compressor cycle pattern. These new patterns result in less frequent and more efficient compressor cycles. Just as computer control has increased the gas mileage of automobiles, *IntelliCon*-RU improves the electrical efficiency of refrigeration systems, by supplementing the antiquated on/off action of the thermostat or pressuretrol with the analysis and control capabilities of a computer.

The *IntelliCon* DCM Technology "intelligent modification of compressor cycling" will result in significant electrical energy savings. *IntelliCon*'s innovative and intelligent algorithms have field proven electrical savings not only on properly sized and operating systems, but also on units that were undersized or those that had not been properly maintained.

The *IntelliCon*-RU works in conjunction with the existing temperature controls and will not void the compressor manufacturer's warranty. An additional feature of the *IntelliCon*-RU is the accepted industry practice of compressor anti-short-cycling control.

Installation by a qualified HVAC/R service technician is recommended. The *IntelliCon*-RU does not require any programming, adjustments or maintenance.



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