



ENCYCLE

SMARTER ENERGY

Demand Management, Consumption Management and Intelligent Demand Response solutions, providing unprecedented savings for commercial, industrial and retail facilities.

G2 CONTROLLER SPECIFICATION

RESULTS POWERED BY
ENCYCLE'S PATENTED



SWARM LOGIC

ENCLOSURE

- Weatherproof, flame retardant plastic
- Dimensions below

INSTALLATION

- Screw mount using screw tabs
- Pre-kitted with 4 feet of 12 conductor cabling
- 2 Clamp-on current sensors (can attach up to 3)

COMMUNICATIONS

- 2.4GHz band (2405-MHz – 2480MHz) channel selectable
- Microchip MRF24J40 ZigBee Transceiver
- External modem capability to send monitoring data or receive controller requests
- Up to 800 meters (875 yards) communications

distance between controllers

- Repeater functionality to extend range of network
- Available magnetic mount extension for antenna

CONTROL

- Microchip PIC18LF8723 microcontroller
- Standard control integration of packaged HVAC units
- Control of both compressors and blower within package HVAC units
- High voltage control of resistive heaters (external contractors)
- High voltage control of hot water tanks (600VAC with external contractors)
- 1 – 2 stage control of heat pumps
- Thermostatic control of freezer

units (Internal 30VAC)

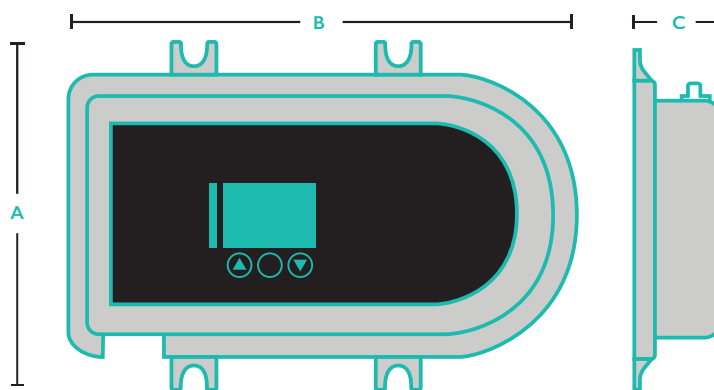
- 0-100% duty cycle settings

SENSORS

- Up to 3 phase 600VAC monitoring
- 0-15 Amps per phase low current monitoring
- 0-30 Amps per phase medium current monitoring
- 0-60 Amps per phase high current monitoring
- 0 – 6,000 Amps per phase with building monitoring sensors
- Custom design sensors for other requirements

CERTIFICATION

- FCC and IC Certified
- ULC and ULUS Certified
- JRL Certified



DIMENSIONS

(cm/inches)

A: 10.85/4.27

B: 15.89/6.25

C: 2.98/1.17



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