HHC

HANDHELD CONTROLLER

Wirelessly control Carmanah's solar airfield lighting system from up to 4 km (2.5 m) away. Features include:

- Instantaneous control of an unlimited number of airfield products
- Individual communication with each light
- Separately control up to 8 groups of lights
- Uninterrupted, secure, MIL-grade encryption

Wireless Control

Enables remote operation of an airfield lighting system including mode changes for enhanced visibility in poor weather conditions or blackout or infrared (NVG) modes in response to immediate threat.

Multiple Configuration Options

Secure, password-protected communications where one or more controllers can be keyed to a system of lights.

Versatile Interface

Contains a radio modem, supporting electronics and external serial interface. It also supports an interface suitable for connecting to an off-the-shelf, standalone aviation band VHF receiver (ARCAL) to facilitate pilot-controlled lighting operation.
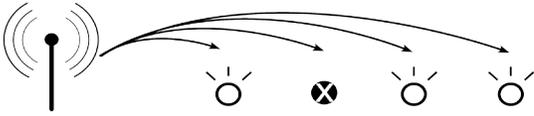
Rugged, Weatherproof Design

Tested to Condition B, Method 104A of MIL-STD-202F for moisture resistance. Reliable operations in temperatures ranging from -40 to 60 °C (-40 to 140 °F). Weatherproof back-lit LED keypad and LED indicators designed for use with gloves. Removable, replaceable antenna.

REPRESENTED IN YOUR REGION BY:

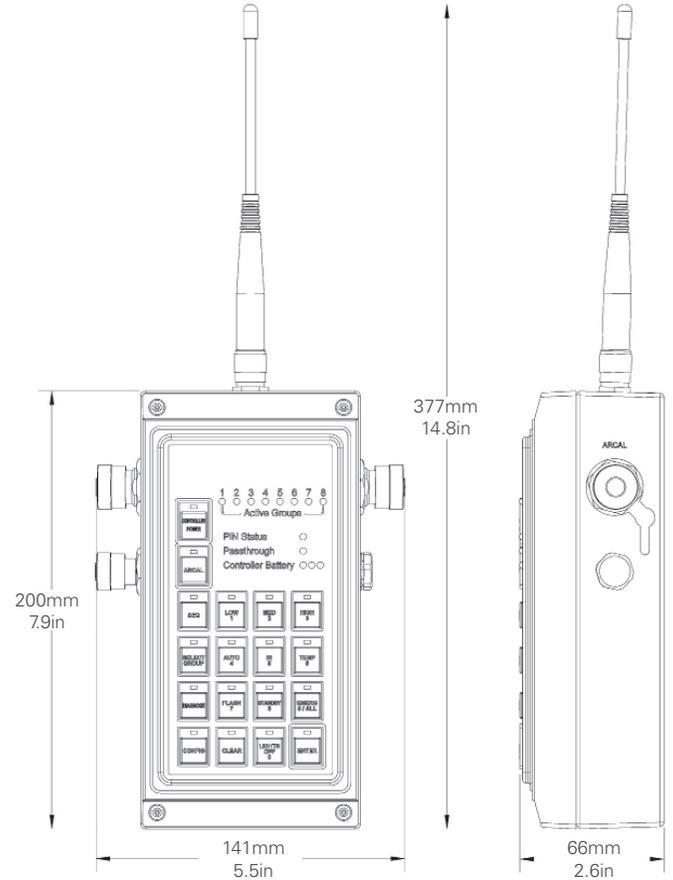## How Carmanah's Wireless Control Works

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Point-to-multipoint wireless system communicates with each light individually so that if one light goes out, the system still functions.

SPECIFICATIONS

Control Range	Up to 4 km (2.5 m)
Individual Groups	1 - 8
Frequency	900 MHz ISM point-to-multipoint; others available, please inquire
Encryption	Up to 256 bit AES encryption
Control Tower Integration	Via included RS-232 connector
Pilot Activated Lighting	Via included ARCAL connector
Password Protection	User and Admin modes
Operation	12 hrs of continuous use on single charge (1 operation / min.)
	1250 hrs of storage on a single charge
Modes	Visible, IR (NVG), flashing, steady on, standby, off, autonomous, temporary, emergency, diagnose
Antenna	Removable antenna included
	External antenna options
Battery	Lithium-ion, long cycle life
	3.75 V, 6.8 Ahr
	Battery status indicators
	Universal battery charger included
Construction	Powder coated aluminum
	Backlit, waterproof, silicone keypad
Operating Temperature	-40 to 60 °C (-40 to 140 °F)
Storage Temperature	-40 to 60 °C (-40 to 140 °F)
Weight	1.4 kg (3 lb)
Ingress	Waterproof, vented battery compartment
	MIL-STD-202, Method 104A for immersion
Compliance	FCC, ANATEL

377mm
14.8in

200mm
7.9in

141mm
5.5in

66mm
2.6in

ARCAL

All Carmanah products are manufactured in facilities that are certified to ISO quality standards.