Handheld Controller

Wirelessly control Flash Technology's solar airfield lighting system with secure encryption. 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.
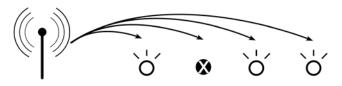
Versatile Interface

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 140 °F (-40 to 60 °C). Weatherproof back-lit LED keypad and LED indicators designed for use with gloves. Removable, replaceable antenna.

How Wireless Control Works

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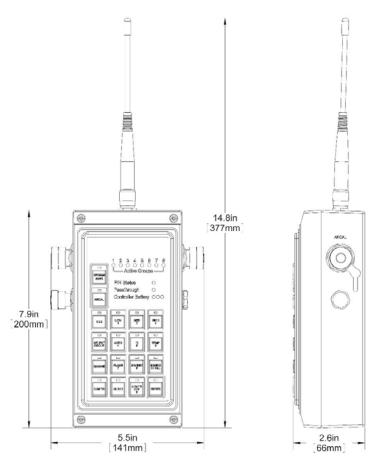
Handheld Controller

SPECIFICATIONS

Individual Groups	1 - 8
Frequency	900 MHz or 2.4 GHz with encrypted signal
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 hours of continuous use on single charge (1 operation / minute)
	1250 hours of storage on a single charge
Modes	Visible, infrared (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 140 °F (-40 to 60 °C)
Storage Temperature	-40 to 140 °F (-40 to 60 °C)
Weight	3 lbs (1.4 kg)
Ingress	Waterproof, vented battery compartment
	MIL-STD-202, Method 104A for immersion
Compliance	FCC, ANATEL
Wind Loading	400 mph (644 kph)
Ice Loading	0.03 psi (22 kg/m²)
Shock & Vibration	MIL-STD-202G and MIL-STD-810G
Ingress	EN 60529 IP 67 immersion
	MIL-STD-202G immersion & damp heat cycling
	MIL-STD-810G rain & salt fog

FLASH TECHNOLOGY