

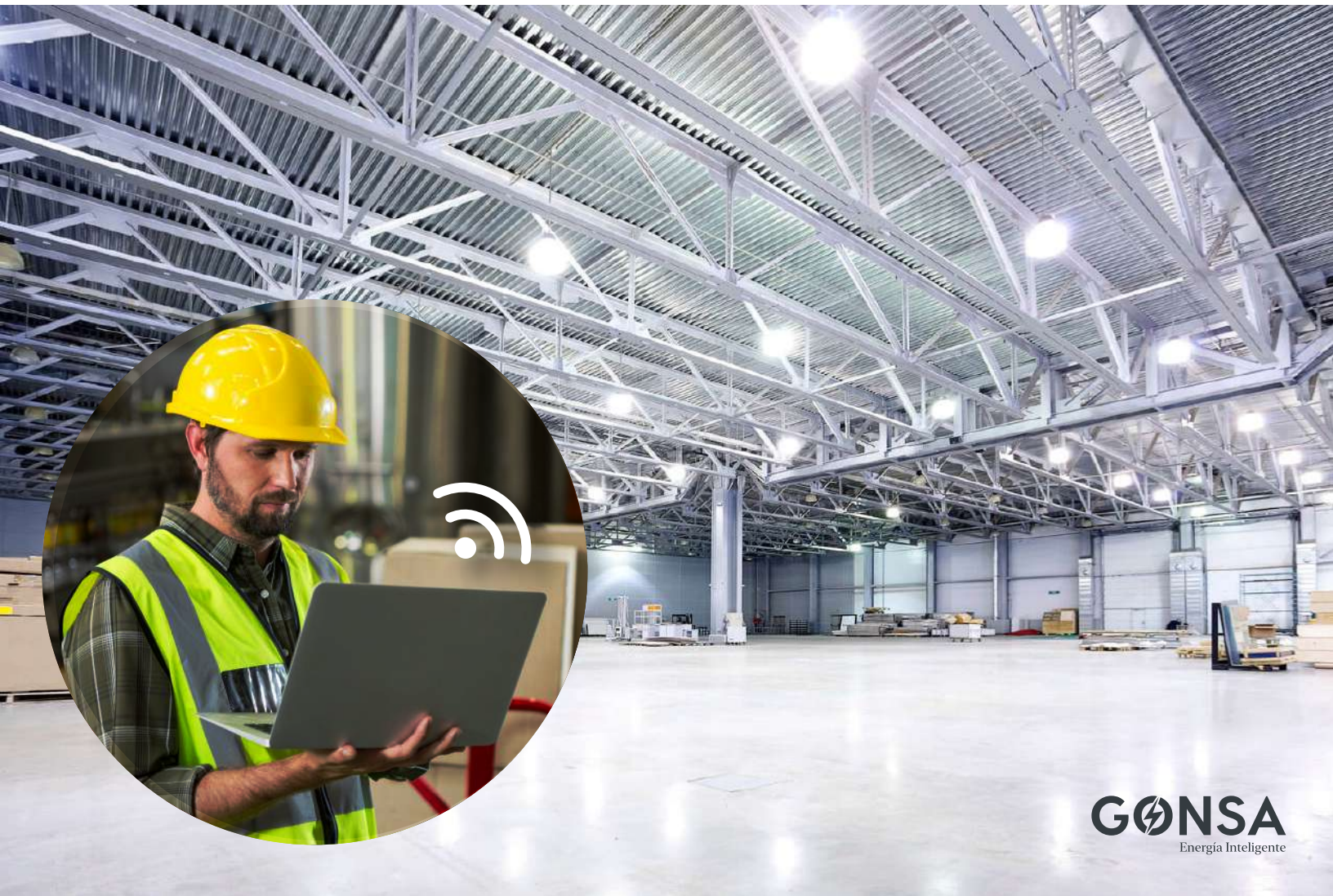


GONSA
Energía Inteligente

**Catálogo de Dispositivos
Douglas Lighting Controls**

Douglas Lighting Controls crea soluciones de control de iluminación digital de bajo consumo, fáciles de instalar y usar. Es un sistema de control de amplia variedad que incluye paneles de relays, controladores, sensores de ocupación/vacío, sensores de luz diurna (luz natural) y estaciones de interruptores de pared, todo esto manipulable desde un dispositivo móvil o laptop.

DOUGLAS[®]
LIGHTING CONTROLS



WLC-4150-L

Unidad de Control de Iluminación

Centralizado de información de equipos para control y automatización.



Uso en sector:



POWER	<ul style="list-style-type: none"> · 24VAC, 1A is required for power
COMMUNICATION	<ul style="list-style-type: none"> · Dialog 2-wire (18/2 AWG) low voltage, non-polarized, power and data bus
INTERFACE	<ul style="list-style-type: none"> · Approx 6.25"H x 3.75"W capacitive touch screen · Full colour
OUTPUT	<ul style="list-style-type: none"> · 500mA
FUNCTIONALITY	<ul style="list-style-type: none"> · Addressability · Energy Measurement (E version) · OpenADR ready (E version) · Astronomical time clock (plus auto daylight savings time change) · Scheduling including vacation overrides · 0-10V dimming · Natural daylight priority · Room control · Demand response · Zone control · BACnet (-C)
ENVIRONMENT	<ul style="list-style-type: none"> · Indoors, stationary, non-vibrating, non-corrosive atmosphere & non-condensing humidity · Ambient operating temperature: +5°F to +120°F (-15°C to +50°C)
WARRANTY	<ul style="list-style-type: none"> · 1 year warranty

BT-FMS-A

Sensor Luz Natural y Presencia

Control de iluminación con sensor de presencia y luz natural.



Uso en sector:



Industrial



Comercial

FUNCTIONALITY	Occupancy, CLC, bi-level level light set point, ON/OFF, adjustable OFF delay Download Douglas Lighting Controls App from Apple App store for configuration For Installation with field-installed conductors of 60°C (140°F) minimum rating See Installation Manual for complete details	
INPUT VOLTAGE	120/277/347VAC 60Hz	
WIRELESS RANGE	150' Clear line of site. 50' through standard walls (distances may vary based on location and environment. Additional devices may be required at time of commissioning to ensure Bluetooth® network integrity.)	
INDICATORS	Green LED, located behind lens, flashes at 1 second intervals when BT-FMS is unassociated with a network Orange LED, located behind lens, and fixture(s) controlled by BT-FMS, will flash when BT-APP is used to "attention" device Green LED, located behind lens, will flash to indicated occupancy/motion detection	
ENVIRONMENT	Outdoor use, Ingress Protection Rating: IP65 Operating temperature: -40°F to 131°F (-40°C to 55°C)	Storage temperature: -40°F to 140°F (-40°C to 60°C)
OCC. SENSOR RANGE	Up to 40 feet	
INDICATORS	Green LED, located behind lens, flashes at 1 second intervals when BT-FMS is unassociated with a network Orange LED, located behind lens, and fixture(s) controlled by BT-FMS, will flash when BT-APP is used to "attention" device Green LED, located behind lens, will flash to indicated occupancy/motion detection	
ENVIRONMENT	Outdoor use, Ingress Protection Rating: IP65 Operating temperature: -40°F to 131°F (-40°C to 55°C)	Storage temperature: -40°F to 140°F (-40°C to 60°C)
LOAD RATINGS	800W @ 120VAC standard ballast 1200W @ 277VAC standard ballast	3300W @ 277VAC electronic ballast 1500W @ 347VAC standard ballast
DIMMING	0-10V; 25mA current sinking maximum	
APPROVALS	Conforms to UL STD. 508 Certified to CSA STD. C22.2 #14	Contains IC: 8254A-B1010SPO Contains FCC ID: W7Z-B1010SPO
WARRANTY	Standard 1-year	

BT-PP20-A

Controlador

Controlador de dispositivo habilitado para bluetooth Power Pack 0-10v.



Uso en sector:



Industrial

Comercial

FUNCTIONALITY	ON/OFF, 0-10V dimming, Demand Response Ready Download Douglas Lighting Controls App from Apple App store for configuration See Installation Manual for complete details
INPUT VOLTAGE	120/277/347VAC 60Hz
AUX. OUTPUT	12VDC, 30mA
RANGE	150' Clear line of site. 50' through standard walls (distances may vary based on location and environment. Additional devices may be required at time of commissioning to ensure Bluetooth network integrity.)
LOAD RATINGS	800W @ 120VAC standard ballast 1200W @ 277VAC standard ballast 3300W @ 277VAC electronic ballast 1500W @ 347VAC standard ballast
APPROVALS	ETL Listed Conforms to UL STDS. 508 and I310 Certified to CSA STD. C22.2 #14 and #223 ETL Classified Conforms to UL STD. 2043 Certified to ULC/ORD STD C2043 ASHRAE 90.1 2010 Compliant California Energy Commission Title 24 Compliant Contains IC: 8254A-BI010SPO Contains FCC ID: W7Z-BI010SPO
ENVIRONMENT	Indoor, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity Operating temperature: 32°F to 104°F (0°C to 40°C) Storage temperature: 14° to 140°F (-25° to 60°C)
WARRANTY	Standard 1-year

BT-IFS-A

Sensor Luz Natural / Presencia y Controlador

Sensor de presencia y luz natural. Control de iluminación. ON/OFF y atenuación 0-10v.



Uso en sector:



PART NUMBER	• BT-IFS-A	• BT-IFC-A
NAME	• Intelligent Fixture™ Sensor	• Intelligent Fixture™ Controller
FUNCTIONALITY	<ul style="list-style-type: none"> • 0-10V Dimming with DIM-to-OFF (LED Driver dependent) • Occupancy, Vacancy, Partial ON, & Partial OFF • Adjustable Occupancy Timeout: 5 to 90 minutes • Primary & Secondary Daylight Harvesting (CLC) • Bluetooth beacon for digital ceiling, IoT, and location services strategies • Commissioning via BTCC App on the iTunes Store • PIR Motion Sensing 	<ul style="list-style-type: none"> • 0-10V Dimming with DIM-to-OFF (LED Driver dependent) • Listed for emergency lighting control when used on a dedicated emergency power bus • Occupancy and daylighting control features as shown at left when networked with one or more BT-IFS-A sensors • Bluetooth beacon for digital ceiling, IoT, and location services strategies • Commissioning via BTCC App on the iTunes Store • UL924 certified devices for Emergency Fixtures
OCC. SENSOR MOUNTING HEIGHT	• Up to 16.4ft (5m)	• Not applicable
WIRING	• Use #20 to #26 AWG solid copper conductors stripped to 4mm	
INPUT VOLTAGE	• 12VDC – 26.5VDC; Power draw: 0.6W maximum, 0.25W typical	
WIRELESS RANGE	<ul style="list-style-type: none"> • 150ft Clear line of sight, 50ft through standard walls • Distances may vary based on location and environment • Additional devices may be required at time of commissioning to ensure Bluetooth network integrity 	
NOTIFICATIONS	• LED indicator for commissioning and occupancy (IFS)	
ENVIRONMENT	<ul style="list-style-type: none"> • Indoor, stationary, non-vibrating, non-corrosive atmosphere, and non-condensing humidity • Suitable for Use in Other Environmental Air Space (Plenums) in Accordance with Section 300.22, (C) of the National Electrical Code. 	
	<ul style="list-style-type: none"> • Operating temperature: 32°F to 131°F (0°C to 55°C) • Storage temperature: -4°F to 158°F (-20°C to 70°C) 	<ul style="list-style-type: none"> • Operating temperature: 32°F to 185°F (0°C to 85°C) • Storage temperature: -40°F to 185°F (-40°C to 85°C)
DIMMING	<ul style="list-style-type: none"> • Two 0-10V dimming channels, each capable of sinking up to 25mA • Typical use is with single channel 0-10V LED drivers providing auxiliary output power and DIM-to-OFF capability • May also be used with dual-channel, tunable white LED drivers providing auxiliary output power and DIM-to-OFF capability 	
CERTIFICATIONS	<ul style="list-style-type: none"> • UL916, UL2043 (Plenum), UL924 (Emergency Lighting - BT-IFC only) • May be installed through a knockout in the luminaire wiring enclosure or installed external to the enclosure and powered with a Class 2 circuit using Class 2 wiring methods 	
WARRANTY	• Standard 5-year warranty	

BT-IFC-A

Sensor Controlador

Control de iluminación. ON/OFF y atenuación 0-10v.



Uso en sector:



PART NUMBER	• BT-IFS-A	• BT-IFC-A
NAME	• Intelligent Fixture™ Sensor	• Intelligent Fixture™ Controller
FUNCTIONALITY	<ul style="list-style-type: none"> • 0-10V Dimming with DIM-to-OFF (LED Driver dependent) • Occupancy, Vacancy, Partial ON, & Partial OFF • Adjustable Occupancy Timeout: 5 to 90 minutes • Primary & Secondary Daylight Harvesting (CLC) • Bluetooth beacon for digital ceiling, IoT, and location services strategies • Commissioning via BTCC App on the iTunes Store • PIR Motion Sensing 	<ul style="list-style-type: none"> • 0-10V Dimming with DIM-to-OFF (LED Driver dependent) • Listed for emergency lighting control when used on a dedicated emergency power bus • Occupancy and daylighting control features as shown at left when networked with one or more BT-IFS-A sensors • Bluetooth beacon for digital ceiling, IoT, and location services strategies • Commissioning via BTCC App on the iTunes Store • UL924 certified devices for Emergency Fixtures
OCC. SENSOR MOUNTING HEIGHT	• Up to 16.4ft (5m)	• Not applicable
WIRING	• Use #20 to #26 AWG solid copper conductors stripped to 4mm	
INPUT VOLTAGE	• 12VDC – 26.5VDC; Power draw: 0.6W maximum, 0.25W typical	
WIRELESS RANGE	<ul style="list-style-type: none"> • 150ft Clear line of sight, 50ft through standard walls • Distances may vary based on location and environment • Additional devices may be required at time of commissioning to ensure Bluetooth network integrity 	
NOTIFICATIONS	• LED indicator for commissioning and occupancy (IFS)	
ENVIRONMENT	<ul style="list-style-type: none"> • Indoor, stationary, non-vibrating, non-corrosive atmosphere, and non-condensing humidity • Suitable for Use in Other Environmental Air Space (Plenums) in Accordance with Section 300.22, (C) of the National Electrical Code. 	
	<ul style="list-style-type: none"> • Operating temperature: 32°F to 131°F (0°C to 55°C) • Storage temperature: -4°F to 158°F (-20°C to 70°C) 	<ul style="list-style-type: none"> • Operating temperature: 32°F to 185°F (0°C to 85°C) • Storage temperature: -40°F to 185°F (-40°C to 85°C)
DIMMING	<ul style="list-style-type: none"> • Two 0-10V dimming channels, each capable of sinking up to 25mA • Typical use is with single channel 0-10V LED drivers providing auxiliary output power and DIM-to-OFF capability • May also be used with dual-channel, tunable white LED drivers providing auxiliary output power and DIM-to-OFF capability 	
CERTIFICATIONS	<ul style="list-style-type: none"> • UL916, UL2043 (Plenum), UL924 (Emergency Lighting - BT-IFC only) • May be installed through a knockout in the luminaire wiring enclosure or installed external to the enclosure and powered with a Class 2 circuit using Class 2 wiring methods 	
WARRANTY	• Standard 5-year warranty	

BT-GTWY-A

Gateway Centralizador

Almacena la información de ejecuciones y automatizaciones para el centralizado.



Uso en sector:



FUNCTIONALITY	<ul style="list-style-type: none"> The gateway provides a communication path between Douglas Lighting Controls Bluetooth devices and Douglas Lighting Controls Dialog network.
SPECIFICATIONS	<ul style="list-style-type: none"> Dimensions (W x D x H): 96.3mm x 40mm x 20mm Material: Plastic Mounting: Screw onto hard surface Connection: Terminal plug (included) for 18/2 #wire LED: Status and factory reset
CURRENT DRAW	<ul style="list-style-type: none"> 19mA
WIRELESS RANGE	<ul style="list-style-type: none"> 150' clear line of site. 50' through standard walls (distances may vary based on location and environment. Additional devices may be required at time of commissioning to ensure Bluetooth network integrity.)
APPROVALS	<ul style="list-style-type: none"> Contains IC: 8254A-B1010SP0 Contains FCC ID: W7Z-B1010SP0
ENVIRONMENT	<ul style="list-style-type: none"> Indoor, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity Operating Temperature: 32°F to 104°F (0°C to 40°C) Storage Temperature: 14°F to 140°F (-25°C to 60°C)
WARRANTY	<ul style="list-style-type: none"> Standard 1-year

BT-4BTSW-U-A

Control de 4 botones

Interruptor de pared de 4 botones habilitado para Bluetooth 120 / 277VAC.



Uso en sector:



FUNCTIONALITY	<ul style="list-style-type: none"> 4-button, 8-button, DIM/ON/OFF Bluetooth enabled switches Download Douglas Lighting Controls App from Apple App store for configuration See Installation Manual for complete details
INPUT VOLTAGE	<ul style="list-style-type: none"> 120/277 or 347VAC 60Hz (product specific)
RANGE	<ul style="list-style-type: none"> 150' Clear line of site. 50' through standard walls (distances may vary based on location and environment. Additional devices may be required at time of commissioning to ensure Bluetooth network integrity.)
APPROVALS	<ul style="list-style-type: none"> Certified to CAN/CSA Std. C22.2 No. 14 Conforms to UL 508 Standard FCC Class A ASHRAE 90.1 2010 Compliant California Energy Commission Title 24 & NYLL 48 Compliant Contains IC: 8254A-B1010SPO Contains FCC ID: W7Z-B1010SPO
ENVIRONMENT	<ul style="list-style-type: none"> Indoor, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity Operating temperature: 32°F to 104°F (0°C to 40°C) Storage temperature: 14° to 140°F (-25° to 60°C)
WARRANTY	<ul style="list-style-type: none"> Standard 1-year

BT-8BTSW-U-A

Control de 8 botones

Interruptor de pared de 8 botones habilitado para Bluetooth 120 / 277VAC.



Uso en sector:



Industrial



Comercial



Residencial

FUNCTIONALITY	<ul style="list-style-type: none"> 4-button, 8-button, DIM/ON/OFF Bluetooth enabled switches Download Douglas Lighting Controls App from Apple App store for configuration See Installation Manual for complete details
INPUT VOLTAGE	<ul style="list-style-type: none"> 120/277 or 347VAC 60Hz (product specific)
RANGE	<ul style="list-style-type: none"> 150' Clear line of site. 50' through standard walls (distances may vary based on location and environment. Additional devices may be required at time of commissioning to ensure Bluetooth network integrity.)
APPROVALS	<ul style="list-style-type: none"> Certified to CAN/CSA Std. C22.2 No. 14 Conforms to UL 508 Standard FCC Class A ASHRAE 90.1 2010 Compliant California Energy Commission Title 24 & NYLL 48 Compliant Contains IC: 8254A-B1010SP0 Contains FCC ID: W7Z-B1010SP0
ENVIRONMENT	<ul style="list-style-type: none"> Indoor, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity Operating temperature: 32°F to 104°F (0°C to 40°C) Storage temperature: 14° to 140°F (-25° to 60°C)
WARRANTY	<ul style="list-style-type: none"> Standard 1-year

BT-DMSW-U-A

Dimmer con switch

Interruptor de pared con atenuador y 1 botón habilitado para Bluetooth 120 / 277VAC.



Uso en sector:



FUNCTIONALITY	<ul style="list-style-type: none"> 4-button, 8-button, DIM/ON/OFF Bluetooth enabled switches Download Douglas Lighting Controls App from Apple App store for configuration See Installation Manual for complete details
INPUT VOLTAGE	<ul style="list-style-type: none"> 120/277 or 347VAC 60Hz (product specific)
RANGE	<ul style="list-style-type: none"> 150' Clear line of site. 50' through standard walls (distances may vary based on location and environment. Additional devices may be required at time of commissioning to ensure Bluetooth network integrity.)
APPROVALS	<ul style="list-style-type: none"> Certified to CAN/CSA Std. C22.2 No. 14 Conforms to UL 508 Standard FCC Class A ASHRAE 90.1 2010 Compliant California Energy Commission Title 24 & NYLL 48 Compliant Contains IC: 8254A-B1010SP0 Contains FCC ID: W7Z-B1010SP0
ENVIRONMENT	<ul style="list-style-type: none"> Indoor, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity Operating temperature: 32°F to 104°F (0°C to 40°C) Storage temperature: 14° to 140°F (-25° to 60°C)
WARRANTY	<ul style="list-style-type: none"> Standard 1-year



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