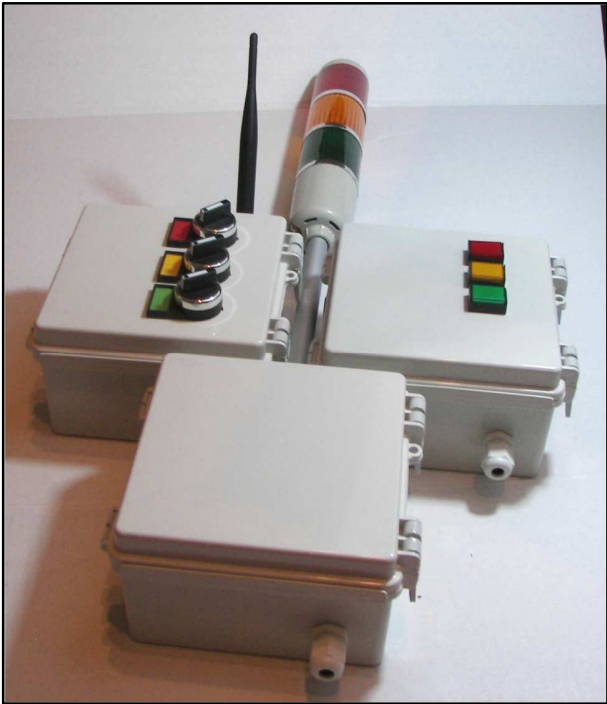# Tower Light with Wireless Switch Control Box

FEATURES & BENEFITS

License Free Wireless Control Up To 1 Mile Line-of-site.

Stacks with Green, Yellow, Red, Blue or White Lights

Attached or Remote Wireless Switch Box Models

Light and Switch Box Can Be Desk or Wall Mounted

12V DC, 24V DC or 120V AC Operation

Rotary or Push-button Switches To Control Lights

Models with Piezo Alarm Module

Non Wireless Models Available, See TLBC-XL Series

APPLICATIONS

Industrial Operation Status Alarms

Factory Process Notification

Alert or Warning Indication for Office or Factory

DESCRIPTION

The WTLBC Series are Multi-color Tower Lights mounted onto a rugged plastic enclosure with wireless operated industrial control switches. Versions are available with an attached switch box or a remote cable between the light assemblies and wireless switch control box. Two different wireless ranges are available with control distances up to 1 mile line-of-sight (LOS). Features include stainless steel mounting brackets, rotary or push-button switches and terminal blocks for power connection. Operating power options are 12V DC or 120V AC

Rotary Switch Version

Push-button Switch Version

No Switch Version

General Specifications

Enclosure Rating:	NEMA 1, 2 (For Indoor Use Only)
Enclosure Material:	PC/PBT Blended Plastic
Light Activation:	Wireless Switch Control Box
Power Connection:	Internal Terminal Block
Operating Power:	See model Table
Max Temperature:	-40 to175 °F (-40 to 80 °C)

2.4 GHz Wireless Specifications

Radio Frequency:	ISM 2.4GHz
RF Power Output:	63mW
RF Output Impedance:	50 Ohm nominal
Receive Sensitivity:	-100 dBm
Regulatory:	FCC Part 95 (No license required) FCC (USA): OUR-XBEEPRO IC (Canada): 4214A-XBEEPRO
Antenna Connection:	RP-SMA
Transmit/Receive Distance (with included antennas):	Indoor/Urban 100ft, Line-of-site 600ft
Transmit/Receive Distance (with optional antennas)::	Indoor/Urban 200ft, Line-of-site 1200ft
Antennas:	3dbi, Omni-directional (Included)

900 MHz Wireless Specifications

Radio Frequency:	900 MHz
RF Power Output:	100mW
RF Output Impedance:	50 Ohm nominal
Receive Sensitivity:	-100 dBm
Regulatory:	FCC Part 95 (No license required) FCC (USA): MCQ-XBEEXSC IC (Canada): 1846A-XBEEXSC
Antenna Connection:	RP-SMA
Transmit/Receive Distance (with included antennas):	Indoor/Urban 300ft, Line-of-site 1/2 Miles
Transmit/Receive Distance (with optional antennas)::	Indoor/Urban 800ft, Line-of-site 1 Mile
Antennas:	5dbi, Omni-directional (Included)

Include Mounting Feet hardware

Optional Piezo Alarm Module

Stack Light Color Chart

Color	Code	Description
■■■■	LG	GREEN Indicator Light (Steady non-flashing)
■■■■	LA	AMBER Indicator Light (Steady non-flashing)
■■■■	LR	RED Indicator Light (Steady non-flashing)
■■■■	LB	BLUE Indicator Light (Steady non-flashing)
	LW	WHITE Indicator Light (Steady non-flashing)

Switch Types

	Code	Description
	RS	Rotary Switch, 2-Position, On/Off
	BS	Illuminated Color Push-button Switch, Latching, On/Off
	N	Use this code to order a light box that has no switches installed on the front door and is only activated by using a remote PLC or Controller connected to the terminal blocks inside the unit. See Example below.

Optional Piezo Alarm Module

	Code	Description
	PZ	This optional Piezo alarm module can be added to the side of the light stack enclosure. User can select what light in the stack will also activate the alarm. Add "PZ" to the end of the model number to add this option. Example: WTLBC-24-LG-LR-SR-120V-PZ

Available 2.4 GHz Models

Models:	Operating Voltage	Lights / Switches	Description
WTLBC-24-L(*)-S(**)-12V	12V DC	1/1	1 Stack Light with 1 On/Off Switch
WTLBC-24-L(*)-L(*)-S(**)-12V		2/2	2 Stack Lights with 2 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-S(**)-12V		3/3	3 Stack Lights with 3 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-L(*)-S(**)-12V		4/4	4 Stack Lights with 4 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-L(*)-L(*)-S(**)-12V		5/5	5 Stack Lights with 5 On/Off Switches
WTLBC-24-L(*)-S(**)-24V	24V DC	1/1	1 Stack Light with 1 On/Off Switch
WTLBC-24-L(*)-L(*)-S(**)-24V		2/2	2 Stack Lights with 2 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-S(**)-24V		3/3	3 Stack Lights with 3 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-L(*)-S(**)-24V		4/4	4 Stack Lights with 4 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-L(*)-L(*)-S(**)-24V		5/5	5 Stack Lights with 5 On/Off Switches
WTLBC-24-L(*)-S(**)-120V	120V AC	1/1	1 Stack Light with 1 On/Off Switch
WTLBC-24-L(*)-L(*)-S(**)-120V		2/2	2 Stack Lights with 2 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-S(**)-120V		3/3	3 Stack Lights with 3 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-L(*)-S(**)-120V		4/4	4 Stack Lights with 4 On/Off Switches
WTLBC-24-L(*)-L(*)-L(*)-L(*)-L(*)-S(**)-120V		5/5	5 Stack Lights with 5 On/Off Switches

Available 900 MHz Models

Models:	Operating Voltage	Lights / Switches	Description
WTLBC-900-L(*)-S(**)-12V	12V DC	1/1	1 Stack Light with 1 On/Off Switch
WTLBC-900-L(*)-L(*)-S(**)-12V		2/2	2 Stack Lights with 2 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-S(**)-12V		3/3	3 Stack Lights with 3 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-L(*)-S(**)-12V		4/4	4 Stack Lights with 4 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-L(*)-L(*)-S(**)-12V		5/5	5 Stack Lights with 5 On/Off Switches
WTLBC-900-L(*)-S(**)-24V	24V DC	1/1	1 Stack Light with 1 On/Off Switch
WTLBC-900-L(*)-L(*)-S(**)-24V		2/2	2 Stack Lights with 2 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-S(**)-24V		3/3	3 Stack Lights with 3 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-L(*)-S(**)-24V		4/4	4 Stack Lights with 4 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-L(*)-L(*)-S(**)-24V		5/5	5 Stack Lights with 5 On/Off Switches

WTLBC-900-L(*)-S(**)-120V		1/1	1 Stack Light with 1 On/Off Switch
WTLBC-900-L(*)-L(*)-S(**)-120V	120V AC	2/2	2 Stack Lights with 2 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-S(**)-120V		3/3	3 Stack Lights with 3 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-L(*)-S(**)-120V		4/4	4 Stack Lights with 4 On/Off Switches
WTLBC-900-L(*)-L(*)-L(*)-L(*)-L(*)-S(**)-120V		5/5	5 Stack Lights with 5 On/Off Switches

* Add code to model number from Stack Light Color Chart.
** Add code to model number from Switch Type Chart.

For Remote Cable version add "RC" and cable length in feet to model number.
Example: WTLBC-24-LG-LR-SR-120V-RC12, 2.4 GHz Model with 1 green and 1 red Light, rotary switch and 12' remote cable between light assembly and wireless transmitter box.

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