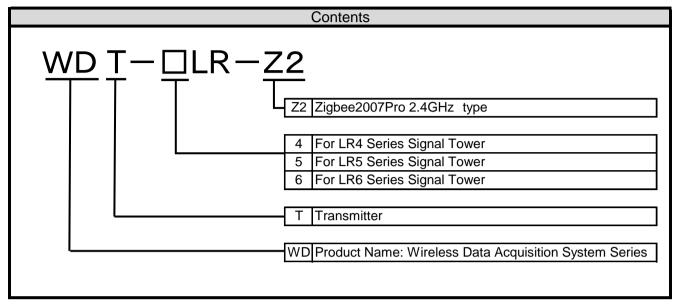


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1. Model



2. General Specifications

ltem	Contents			
item	WDT-4LR-Z2	WDT-5LR-Z2	WDT-6LR-Z2	
Connected model	LR4 Series Signal Tower Body unit top attachment	LR5 Series Signal Tower Body unit top attachment	LR6 Series Signal Tower Body unit top attachment	
Rated Voltage		24V DC		
Operating Voltage Range		19.0V DC~26.4V DC		
Rated Current Consumption	Max.55mA			
Operating Ambient Temperature	-10°C~+50°C			
Operating Ambient Humidity	85%RH or less, no condensation			
Storage Ambient Temperature	-20°C ~ +60°C			
Storage Ambient Humidity	85%RH or less, no freezing			
Mounting Location	Indoor Only			
Mounting Method	Upright			
Protection Rating	IP 65 (IEC 60529), NEMA TYPE 4X,13			
Environmental Conditions	Based on LR4 Series Signal Tower Based on LR5 Series Signal Tower Based on LR6 Series Signal Tower			
Insulation Resistance	More than 5M Ω at 500VDC between live part and non-current carrying metallic part			
Withstand Voltage	500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation			
Mass	70g±10g	74g±10g	85g±10g	
Outer Dimensions	Refer to the Outer Dimension Drawing			

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3. Performance Specifications

3.1. Wireless Specifications

Item	Contents			
item	WDT-4LR-Z2	WDT-5LR-Z2 WDT-6LR-Z2		
Telecommunication Protocols	IEEE	802.15.4 (Wireless Communic	ations)	
Communication Frequency	2	2405MHz - 2480MHz(16 channe	el)	
Communication system	Direct	Sequence Spread Spectrum (I	DS-SS)	
Communication protocols	ZigBee2007	Conformity(original Profile Imp	lementation)	
Transmitter Output	No more than	3mW (Depending on Antenna	Access Point)	
Communication distance	Approximat	tely 30 m from source (referenc	e value) ^{**1}	
Usable regions ^{%2}	Japan, USA, Europe, Korea, Taiwan, Thailand, China, Mexico, Philippines, Vietnam, Canada, Malaysia, Singapore			
External Contact Input		Control signal input		
Number of Contacts	6 points	6 points (red, amber, green, blue, white, buzzer)		
Input Reaction Time	100 ms or longer			
Display Unit	Indicator for monitoring the status			
Operation Unit	DIP switches			
Remarks	 Remarks *1 The radio transmission is dependent upon the environment and installed location *2 Please do not use any regions nor countries other than admitted regions and countries. Failure to do so may come into conflict with the law. 		admitted regions	

4. Function Specifications

Item		Description
3	Signal Tower Transmission Information	It is possible to select from 2 types of Immediate transmission mode and Request transmission mode.
	Immediate transmission mode	Send immediately after the status of the signal tower changes.
	Request transmission mode	Send only after receiving a signal tower status request from the host PC.
Select Signal Tower Information Format It is possible to select from 2 types of Extended Format and standa		It is possible to select from 2 types of Extended Format and standard Format.
	Extended Format	Sets up six types of signal tower information.
	Standard Format	Sets up five types of signal tower information. (Format compatible with WDT-5E-Z2 and WDT-6M-Z2.)

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5. Conformity Standards

Item	Description	
WDT-4LR-Z2 Conformity Standards	Japan Radio Law (ARIB STD-T66 Conformity) ^{*1} UL 508 ,CAN/CSA C22.2 No.14-18 FCC Part 15 Subpart B Class B, FCC Part15 Subpart C ^{*1} EN 62368-1,EN 55032 ClassB,EN55035 EN 62479, EN 300 328, EN 301 489-1, EN IEC 63000 RSS-247 Issue 2, ICES-003 Class B KN 301 489-1/-17 NCC ^{*1} NBTC TS 1035-2562 NOM-208-SCFI-2016, IFT-008-2015 MCMC MTSFB TC T007 : 2020 MEMORANDUM CIRCULAR NO. 03-05-2007 MEMORANDUM CIRCULAR NO. 01-02-2020	
WDT-5LR-Z2 WDT-6LR-Z2 Conformity Standards	Japan Radio Law (ARIB STD-T66 Conformity) ^{*1} UL 508 ,CAN/CSA C22.2 No.14-18 FCC Part 15 Subpart B (Class B), Subpart C ^{*1} EN 62368-1, EN 55032 (Class B),EN55035 EN62479, EN 300 328, EN 301 489-1, EN IEC 63000 RSS-247 Issue 2, ICES-003 (Class B) KN 301 489-1/-17 NCC ^{*1} NBTC TS 1035-2562 NOM-208-SCFI-2016, IFT-008-2015 MCMC MTSFB TC T007 : 2014 MEMORANDUM CIRCULAR NO. 03-05-2007	
Remarks	 Conforms to the CE Requirements Conforms to the UKCA Requirements UL/cUL Listed (File No.E215660) ※1 Built-in certified wireless module 	

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[Handling Precaution]

About handling this product

• This product (including software) is shipped only after undergoing strict guality controls and inspections. However, should you encounter any issues, please contact your PATLITE sales representative.

• This product (including software) is developed, designed and manufactured for general usage, such as office use, personal use, standard industry, and other related systems. Do not use, either directly or indirectly, in applications where a high level of safety is required, such as medical equipment or where human life is involved. We shall not be held liable for any damages or losses, nor be held responsible for any claims by a third party, as a result of using this product,

• The suitability of this product in the system, with other machines and equipment, shall be tested and confirmed by the customer. We assume no responsibility regarding this. Design safety into the system to cope with misoperation, misuse, going offline, and other unforeseen operation of this product.

•We bear no responsibility for damages, lost opportunities, lost profits, compensation for accidents, or other costs including but not limited to personnel, construction, transportation, and shipping costs, related to using this product. We bear no responsibility for defects in other products, regardless of the other product's connection to this product (such as a communication line), or for the cost of repairing damages, losses, defects, or recovering lost data related to using the other products, including but not limited to personnel, construction, transportation, and shipping costs.

• To improve the functionality in the software for this product, we will update the software at our own discretion. We bear no responsibility for the results of software updates, such as damages, lost opportunities, lost profits, compensation for accidents, or other costs including but not limited to personnel, construction, transportation, and shipping costs, related to using this product. We bear no responsibility for defects in other products, regardless of the other product's connection to this product (such as a communication line), or for the cost of repairing damages, losses, defects, or recovering lost data related to using other products, including but not limited to personnel, construction, transportation, and shipping costs. •Note the following statements regarding the software for this product, which require prior written consent from PATLITE:

* Do not duplicate the software for this product.

- * Do not alter, combine, reverse-engineer, decompile, or disassemble the software for this product.
- * Do not license, rent, or resell the software for this product to a third party.
- * Do not store the software of this product on a network so it can be transmitted to a third party.
- * Do not remove the copyright notice or other trademark and company rights attached to the software for this product.

Things you should always do for your safety

• Do not disassemble or modify the product. Failure to do so may lead to product malfunction or cause fire or electrocution. • Avoid spilling liquids (such as water or chemicals) into this product. Avoid dropping foreign metallic objects (such as copper wire) into this product. Failure to follow these instructions could result in electric shock or equipment damage. • Do not drop or hit this product. Failure to follow these instructions could result in electric shock or equipment damage. • Do not apply too much force to switches and buttons on this product. Failure to follow this instruction could result in equipment damage.

 Installation
 Turn off the power when wiring, inspecting, or repairing this product. Failure to follow this instruction could result in equipment damage.

• Do not install in locations near fire, or environments with high temperature and humidity. Do not install this product where corrosive or flammable gas is present.

• Do not install on an unstable surface. Failure to follow these instructions could result in injury or equipment damage.

- This product is rated for indoor use only. Please install and use this product indoors only.
- Avoid the following locations for installation of this product.
- * Places exposed to direct sunlight.
- * Places near fire or environments with high temperatures and humidity.
- * Environments where temperature changes are severe, and where there is condensation.
- * Environments with poor breathability and ventilation.
- * Places where external vibrations are directly transmitted to this product.
- * Environments where corrosive gas is present.
- * Locations exposed to salty sea air.
- * Locations near strong magnetic fields.
- * Environments where there is dust, iron powder, and so on.
- * Environments where chemicals and oil mist are present.

About maintenance

• Do not clean this product with volatile chemicals such as benzine or thinners, or with chemical wiping cloths as it could damage the product.

Please clean this product with a soft, dry cloth.

• If the dry cloth is unable to clean off any dirt and grime, wipe the product firmly with a slightly water-moistened cloth.

