

Notice: Our remote control system products are not compatible with those of other manufacturers and should not be used in combination with any such products. Always use Matsushita Electric Co. Ltd. remote control relays, breakers and transformers.  
Always use WRT\*\*\*\* series Transmission Unit when using infrared I/O address type components.

## Switches

• Signal current: Rated input signal current (Name displayed on units)

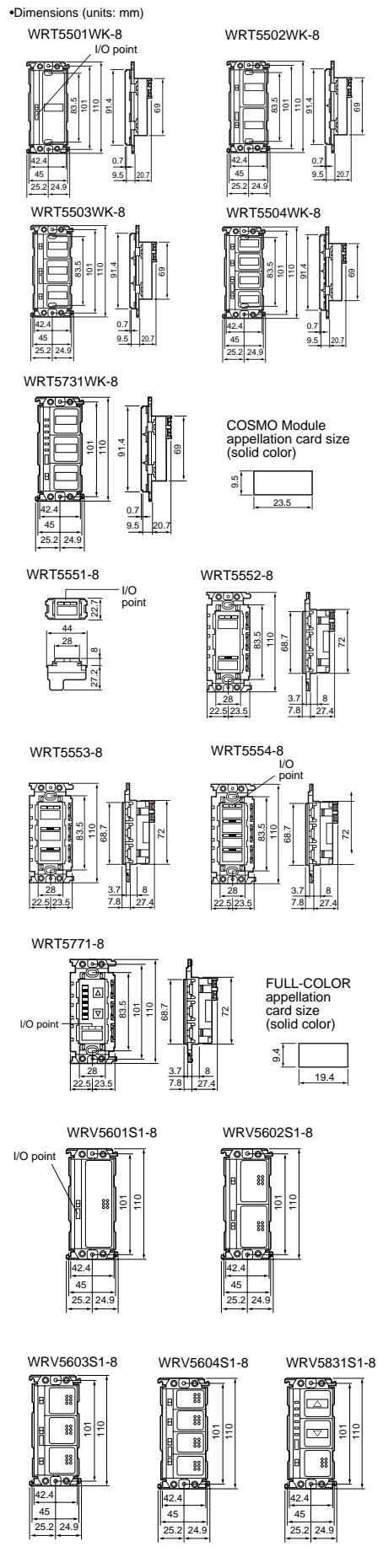
Switches (COSMO Module) ... For applicable plates, see page 35.						
(1)	(2)	Model No.	Description	Rating	Symbol in diagram	Remarks
		WRT5501WK-8	Switch (1) (Infrared I/O) (COSMO Module) (White)	Signal current 6 mA	●R	Applicable to COSMO Module 1-Gang switch plates (Non-volatile memory used)
		WRT5502WK-8	Switch (2) (Infrared I/O) (COSMO Module) (White)	Signal current 8 mA	●R2	
		WRT5503WK-8	Switch (3) (Infrared I/O) (COSMO Module) (White)	Signal current 10 mA	●R3	
		WRT5504WK-8	Switch (4) (Infrared I/O) (COSMO Module) (White)	Signal current 12 mA	●R4	
		WRT5731WK-8	Dimmer Switch (Infrared I/O Type) (COSMO Module) (White)	Signal current 10 mA	●MR	

• Signal current: Rated input signal current (Name displayed on units)

Switches (FULL-COLOR Module) ... For applicable plates, see page 36.						
(1)	(2)	Model No.	Description	Rating	Symbol in diagram	Remarks
		WRT5551-8	Switch (1) (Infrared I/O) (FULL-COLOR Module)	Signal current 6 mA	●R	Applicable to FULL-COLOR plates (1) (Non-volatile memory used)
		WRT5552-8	Switch (2) (Infrared I/O) (FULL-COLOR Module)	Signal current 8 mA	●R2	
		WRT5553-8	Switch (3) (Infrared I/O) (FULL-COLOR Module)	Signal current 10 mA	●R3	
		WRT5554-8	Switch (4) (Infrared I/O) (FULL-COLOR Module)	Signal current 12 mA	●R4	
		WRT5771-8	Dimmer Switch (Infrared I/O Type) (FULL-COLOR Module)	Signal current 10 mA	●MR	

• Signal current: Rated input signal current (Name displayed on units)

Switches (GLACIER Series) ... For details of plates to use, see page 35.						
(1)	(2)	Model No.	Description	Rating	Symbol in diagram	Remarks
		WRV5601S1-8	Switch (1) (Infrared I/O) (GLACIER Series) (Silver Gray)	Signal current: 6 mA	●R	Applicable to GLACIER Series Plates (1-Gang) (Non-volatile memory used) Appellation card cannot be mounted.
		WRV5602S1-8	Switch (2) (Infrared I/O) (GLACIER Series) (Silver Gray)	Signal current: 8 mA	●R2	
		WRV5603S1-8	Switch (3) (Infrared I/O) (GLACIER Series) (Silver Gray)	Signal current: 10 mA	●R3	
		WRV5604S1-8	Switch (4) (Infrared I/O) (GLACIER Series) (Silver Gray)	Signal current: 12 mA	●R4	
		WRV5831S1-8	Dimmer Switch (Infrared I/O) (GLACIER Series) (Silver Gray)	Signal current: 10 mA	●MR	



## Switches, Setting Devices

• Signal current: Rated input signal current (Name displayed on units)

Master Switches (Surface Mount)					
(20 circuits)	Model No.	Description	Rating	Symbol in diagram	Remarks
	WRT6120WK-8	Master Switch (20) (Infrared I/O) (with Program Setting Unit)	Signal current 65 mA	⊗R20 RS	Surface-mount type (Non-volatile memory used)
	WRT6144WK-8	Master Switch (44) (Infrared I/O) (with Program Setting Unit)	Signal current 137 mA	⊗R44 RS	
	WRT6168WK-8	Master Switch (68) (Infrared I/O) (with Program Setting Unit)	Signal current 209 mA	⊗R68 RS	
	WRT6024WK-8	Master Switch (24) (Infrared I/O)	Signal current 72 mA	⊗R24	
	WRT6048WK-8	Master Switch (48) (Infrared I/O)	Signal current 144 mA	⊗R48	
	WRT6072WK-8	Master Switch (72) (Infrared I/O)	Signal current 216 mA	⊗R72	

• Signal current: Rated input signal current (Name displayed on units)

Program Setting Unit ... For setting details, please see pages 49 & 50					
Model No.	Description	Rating	Symbol in diagram	Remarks	
WRT5850-8	Program Setting Unit (FULL-COLOR Module)	Signal current 5 mA	●RS	Use Transmission Unit WRT2050-80 series Applicable to FULL-COLOR plates (3)	

This device should be installed in a location where it will not be unnecessarily tampered with.

• Signal current: Rated input signal current (Name displayed on units)

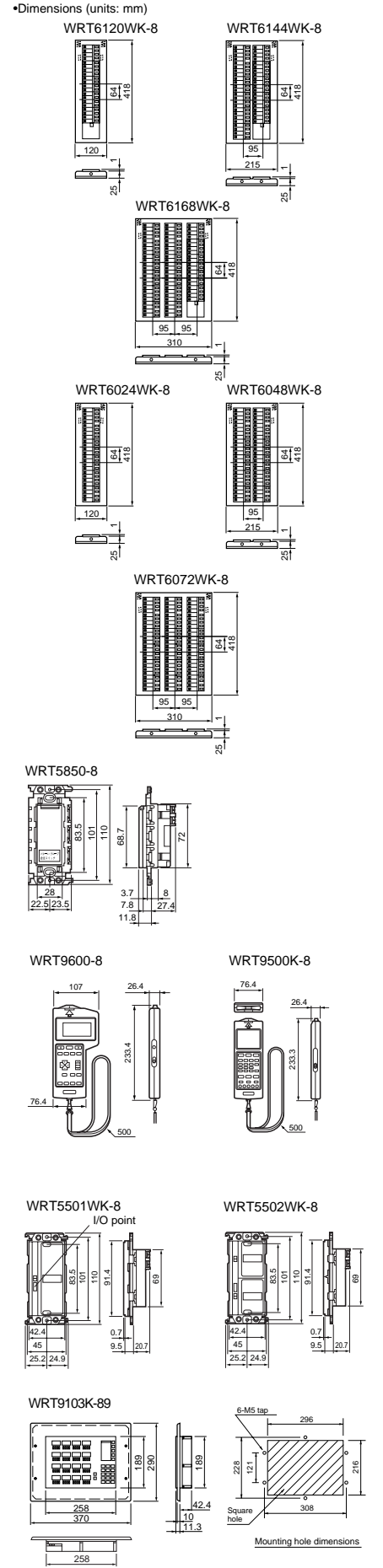
Wireless Programming Unit ... For details, see page 45.					
Model No.	Description	Rating	Symbol in diagram	Remarks	
WRT9600-8	Wireless Programming Unit (With Address Setting Function)	Rated Voltage 6V DC (4 X AA size batteries) Signal current 50 mA	—	Batteries not supplied Battery service life is approximately 500 operations	

• Signal current: Rated input signal current (Name displayed on units)

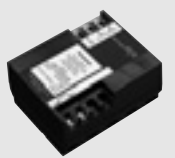

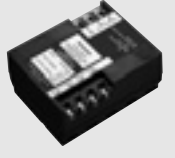



Wireless Address Setting Unit ... For details, see page 46.					
Model No.	Description	Rating	Symbol in diagram	Remarks	
WRT9500K-8	Wireless Address Setting Unit	Rated voltage 6V DC (4 X AA size batteries)	—	Batteries not supplied Battery service life is approximately 500 operations	

• Signal current: Rated input signal current (Name displayed on units)

Central Control and Programming Unit					
Model No.	Description	Rating	Symbol in diagram	Remarks	
WRT9103K-89	Central Control and Programming Unit (24V AC)	Rated Voltage 24V AC Rated current consumption 600 mA Signal current 15 mA	⊗RS	Applicable for a flush-mount box WR7002 (2 row/6 gang) For details, see page 63.	

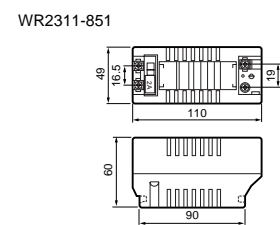
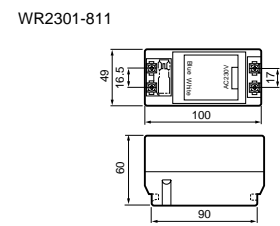
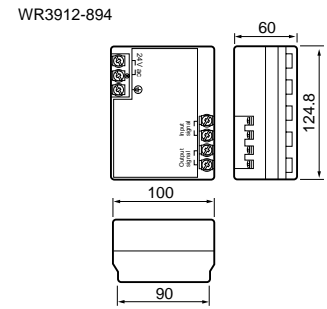
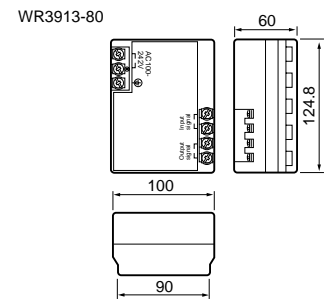
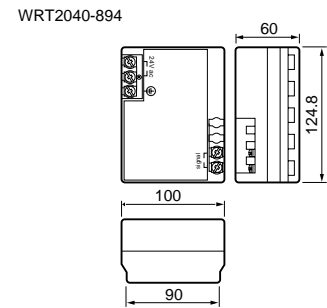
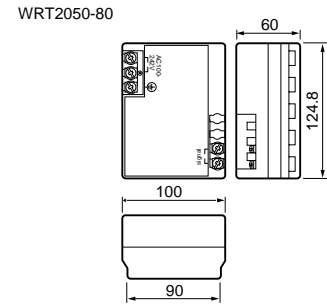


# Transmission Unit, Amplifier, Transformer







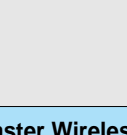


Transmission Units ... For details, see page 5.					
Model No.	Description	Rating	Symbol in diagram	Remarks	
 WRT2050-80 <i>One unit per system is required as a CPU.</i>	Transmission Unit (Panel Use) (100~242V AC) <b>Not for USA</b>	Rated voltage 100~242V AC Power consumption 30W Signal output current 500mA	CPU W	(with power failure warranty) (Flash memory used.)	
 WRT2040-894	Transmission Unit <b>TO BE REPLACED WITH WRT2050-894 Soon in 2008</b>	Rated Voltage 24V AC Rated Frequency 50/60Hz Rated Power Consumption 30W Rated Power Consumption 5W	CPU W		
Amplifier					
 WR3913-80 <i>Use an Amplifier when current consumption exceeds 500mA, or when signal wire length exceeds 500m.</i>	Amplifier (Panel Use) (100~242V AC) <b>Not for USA</b>	Rated voltage 100~242V AC Power consumption 25W Signal current: 15mA Signal output current 500mA	AMP W		
 WR3912-894	Amplifier	Rated voltage 24V AC Power consumption 25W Signal current 15mA Signal output current 500mA	AMP W		
Transformers No applicable model to UL are available					
 WR2301-811	Transformer (Panel Use) (115V AC) <b>Not for USA</b>	Primary side 115V AC Secondary side 24V AC, 1.5 A, 36 VA	R-Tr		
 WR2311-851	Transformer (Panel Use) (220V AC) (Output 24V Type) <b>Not for USA</b>	Primary side 220V AC Secondary side 22V AC, 1.5 A, 33 VA	R-Tr		

• Signal current: Rated input signal current (Name displayed on units)

• Dimensions (units: mm)

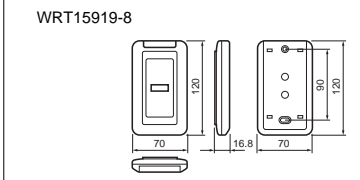
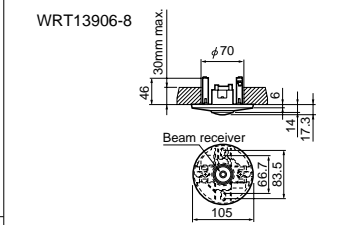
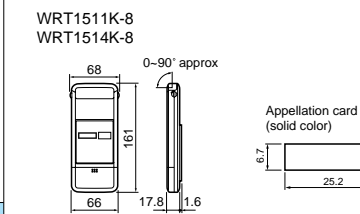
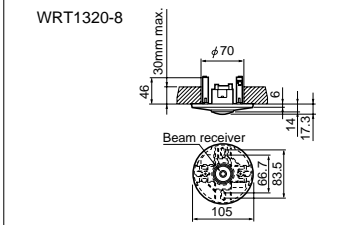
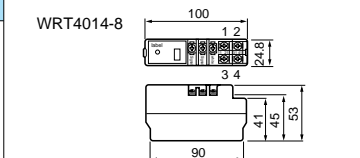
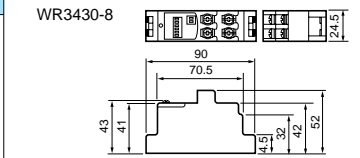
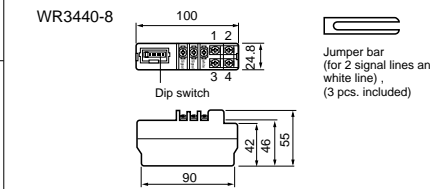
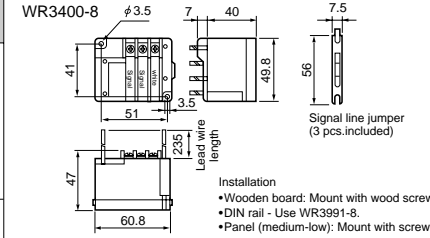


# Relay Control T/Us

Relay Control T/Us (Panel Use)(DIP Switch)					
Lead wire type	Model No.	Description	Rating	Symbol in diagram	Remarks
 WR3400-8	WR3400-8	Relay Control T/U (4-Circuit)	Signal current 1.2 mA	Ry-T/U 4	Includes signal line jumper For details, see page 15.
 WR3440-8	WR3440-8	Relay Control T/U (4-Circuit)	Signal current 1.2 mA	Ry-T/U 4	Includes signal line jumper
 WR3430-8	WR3430-8	Relay Control T/U (1-Circuit)	Signal current 1.5 mA	Ry-T/U	
Relay Control T/U (Panel Use)(Infrared I/O) ... For details, see page 21.					
 WRT4014-8	WRT4014-8	Relay Control T/U (4-Circuit) (Infrared I/O) (Panel Use)	Signal current 2.3 mA	Ry-T/U 4	Includes signal line jumper (Non-volatile memory used)
Wireless Control ... For details, see page 59. Wireless signal: 24V DC					
Wireless Receivers					
 WRT1320-8	WRT1320-8	Wireless Receiver (Ceiling and Flush Mount)	Signal current 15mA	R	Operating ambient illumination not exceeding 5000Lx
 WRT1514K-8 (Battery Type)	WRT1514K-8	Battery Type Wireless Switch (4) (Infrared I/O)	Rated voltage DC3V (2 X AAA batteries in use)	R4	Batteries not included Battery service life about one year (10 operations/day) Non-volatile memory used
 WRT1561K-8	WRT1561K-8	Battery Type Wireless Dimmer Switch (Infrared I/O)	DC3V (2 X AAA batteries in use)	MR	
Master Wireless Control					
 WRT13906-8	WRT13906-8	Master Wireless Switch Receiver (Infrared I/O) (Ceiling and Flush Mount)	20mA ± 24V		Operating ambient illumination not exceeding 5000Lx
 WRT15919-8 (Battery Type)	WRT15919-8	Master Wireless Switch	DC3V (2 X AAA batteries in use)		Batteries not included Battery service life about one year (10 operations/day)

• Signal current: Rated input signal current (Name displayed on units)



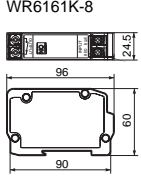

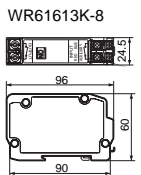


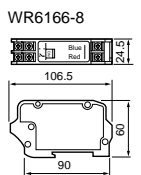

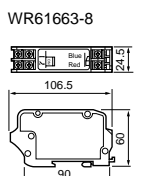


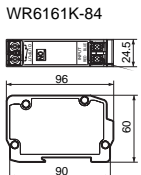

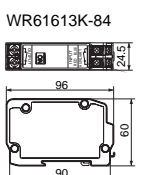


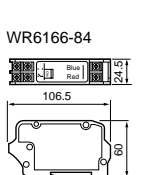
• Dimensions (units: mm)



Note:  
6A Contact Output T/Us cannot be used for HID loads. Use 20A HID Remote Control Relay.


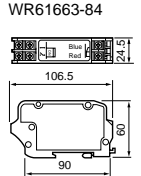

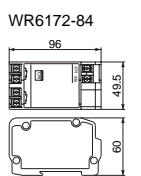

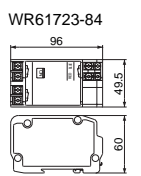


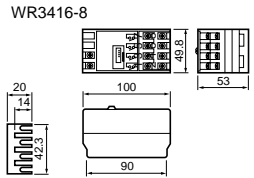


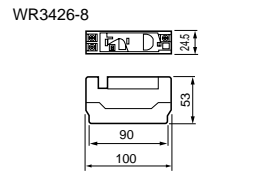


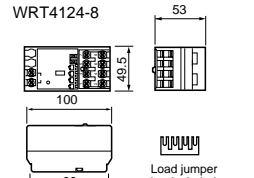


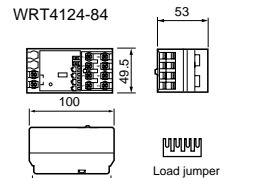
## 20A HID Relays

• Signal current: Rated input signal current (Name displayed on units)

20A HID Relays ... For details, see page 19. Power supply by Transformer required.						•Dimensions (units: mm)
	Model No.	Description	Rating	Symbol in diagram	Remarks	
(Single pole)  WR6161K-8	WR6161K-8 Not for USA	20A HID Relay (Single Pole) (Panel Use)	Output side 20 A 300V AC Input side: 0.35 A 24V AC			
	WR61613K-8 Not for USA	DIN Type 20A HID Relay (Single Pole) (Panel Use)	Output side 20 A 300V AC Input side: 0.35 A 24V AC Auxiliary contact side: 1A 125V AC			
(Double pole)  WR6166-8	WR6166-8 Not for USA	20A HID Relay (Double Pole) (JIS-Approved Dimensions (1), Panel Use)	Output side 20 A 300V AC Input side: 0.35 A 24V AC			
	WR61663-8 Not for USA	DIN Type 20A HID Relay (Double Pole) (Panel Use)	Output side 300V AC, 20 A Input side: 24V AC, 0.35 A Auxiliary contact side: 125V AC, 1 A			
 WR6161K-84	WR6161K-84 UL	20A HID Relay (Single Pole)(Panel Use)	Output Contact 20A 277V/300V ac Input 350mA 18-30VAC half wave			
	WR61613K-84 UL	DIN Type 20A HID Relay (Single Pole) (Panel Use)	Output Contact 20A 277V/300V ac Input 350mA 18-30VAC half wave Auxiliary Contact 1A 125V ac			
 WR6166-84	WR6166-84 UL	20A HID Relay (Double Pole)(Panel Use)	Output Contacts 20A 277V/347V ac Input 350mA 18-30VAC half wave			

## 20A HID Relays, Contact Output T/Us

• Signal current: Rated input signal current (Name displayed on units)

20A HID Relays ... For details, see page 19. Power supply by Transformer required.						•Dimensions (units: mm)
	Model No.	Description	Rating	Symbol in diagram	Remarks	
	WR61663-84 UL	DIN Type 20A HID Relay (Double Pole) (Panel Use)	Output Contacts 20A 277V/347V ac Input 350mA 18-30VAC half wave Auxiliary Contact 1A 125V ac			
	WR6172-84 UL	480V 20A HID Relay (Double Pole) (Panel Use)	Output Contacts 20A 347V/480V ac Input 350mA 18-30VAC half wave			
	WR61723-84 UL	480V DIN Type 20A HID Relay (Double Pole) (Panel Use)	Output Contacts 20A 347V/480V ac Input 350mA 18-30VAC half wave Auxiliary Contact 1A 125V ac			
6A Contact Output T/Us(Panel Use)(DIP switch) ... See page 21 for details.						
(Single pole)  WR3416-8	WR3416-8 Not for USA	6A Contact Output T/U (Single Pole) (4-Circuit) (Panel Use)	Signal current 1.2 mA Output side 6A 300V AC		Includes Load jumper	
 WR3426-8	WR3426-8 Not for USA	6A Contact Output T/U (Single Pole) (1-Circuit) (Panel Use)	Signal current 1.5 mA Output side 6A 300V AC			
6A Contact Output T/Us(Panel Use)(Infrared I/O) ... See page 21 for details.						
 WRT4124-8	WRT4124-8 Not for USA	6A Contact Output T/U (Single Pole) (4-Circuit) (Infrared I/O Type) (Panel Use)	Signal current 2.3 mA Output side 6A 300V AC		Includes load jumper (non-volatile memory used)	
 WRT4124-84	WRT4124-84 UL	6A Contact Output T/U (Single Pole) (Infrared I/O) (4-Circuit) (Panel Use)	Signal current 2.3 mA Output side 6A 300V AC		Includes load line jumper (Uses non-volatile memory)	

# Dimmer Control

• Signal current: Rated input signal current (Name displayed on units)



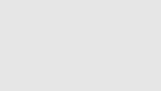



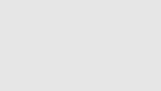







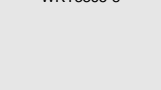







Dimmer Units ... For details, see page 60.						•Dimensions (units: mm)	
	Model No.	Description	Rating	Symbol in diagram	Remarks		
(for 500W)	WRT4345-81 <b>Not for USA</b> WRT4345-82 <b>Not for USA</b>	Dimmer Unit for 500W Incandescent Lamp (Infrared I/O) (Panel Use)	Signal current 8 mA Voltage WRT4345-81(115V AC) WRT4345-82(230V AC) Applicable loads 40-500W		For incandescent lamp only (Non-volatile memory used)	WRT4345-81 WRT4345-82 	
						WRT4348-81 WRT4348-82 WRT4348K-814 	
(for 1500W)	WRT43415-81 <b>Not for USA</b> WRT43415-82 <b>Not for USA</b>	Dimmer Unit for 1500W Incandescent Lamp (Infrared I/O) (Panel Use)	Signal current 8 mA Voltage WRT43415-81(115V AC) WRT43415-82(230V AC) Applicable loads 40-1500W		For incandescent lamp only (Non-volatile memory used)	WRT43415-81 WRT43415-82 WRT43415K-814 	
						WRT43415K-814 	
	WRT4348K-814 	Dimmer Unit for 800W Incandescent Lamp (Infrared I/O) (Panel Use) (120V AC)	Signal Current 8mA Voltage 120V AC Applicable Loads 40-800W		For incandescent lamp only (Non-volatile memory used)	WRT4244-8 	
	WRT43415K-814 	Dimmer Unit for 1500W Incandescent Lamp (Infrared I/O)(Panel Use) (120V AC)	Signal Current 8mA Voltage 120V AC Applicable Loads 40-1500W		For incandescent lamp only (Non-volatile memory used)	WRT3241-8 	
	WRT4244-8	Dimmer Unit (Controllable Ballast, 0-10V DC)	Signal current 7 mA Dimmer signal 0-10V DC/100mA ※/Rated voltage 24V AC Rated current 300 mA		See page 61 for details.	WRT3241-8 	
	WRT3241-8	Dimmer Contact Input T/U (1-Input) (Infrared I/O) (Panel Use)	Signal current 2.3 mA ※/Rated voltage 24V AC Rated current 30 mA		Input wiring distance not exceeding 100 m (Non-volatile memory used) See page 61 for details. Transformer required.	WRT5731WK-8 	
<b>Dimmer Switches ... See page 60 for details.</b>							
	WRT5731WK-8	Dimmer Switch (Infrared I/O Type) (COSMO Module) (White)	Signal current 10 mA		Applicable to COSMO Module switch plates (1-Gang) (Non-volatile memory used)	WRT5771-8 	
	WRT5771-8	Dimmer Switch (Infrared I/O Type) (FULL-COLOR Module)	Signal current 10 mA		Applicable to FULL-COLOR plates (3) (Non-volatile memory used)	WRT5771-8 	

# Motor-Drive Control, Relay Status Control, Contact Input T/U

• Signal current: Rated input signal current (Name displayed on units)

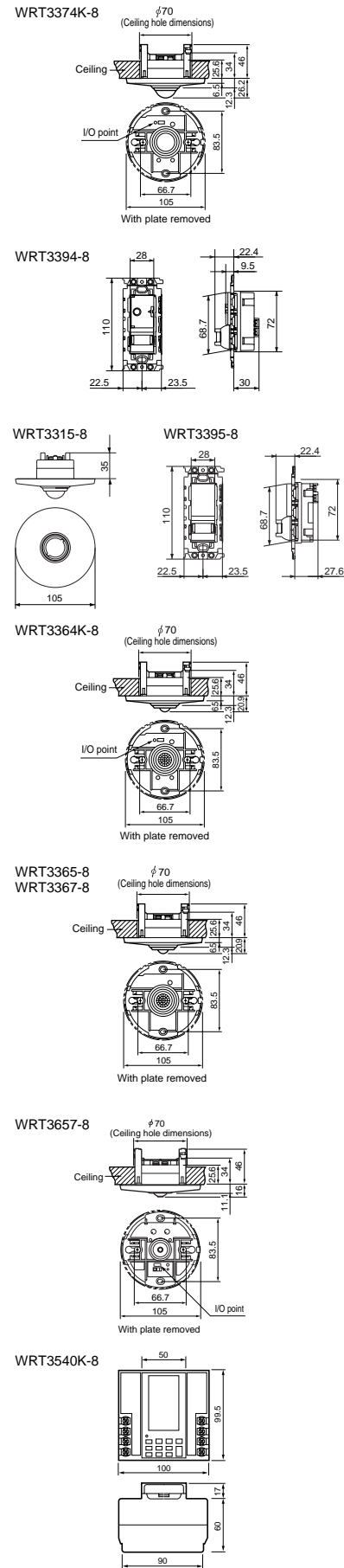
Motor-Drive Control... For details, see page 66.						•Dimensions (units: mm)	
	Model No.	Description	Rating	Symbol in diagram	Remarks		
(Motor Drive T/U)	WRT4421-8 <b>Not for USA</b>	Motor Drive T/U (1 Pulse Output, Stop Terminal N.O. Type) (Infrared I/O) (Panel Use)	Signal current: 2.3 mA Rated voltage: 24V AC Rated current: 10 mA (Monitor) Output: 300V AC, 6 A		(Non-volatile memory used)	WRT4421-8 WRT4422-8 	
	WRT4422-8 <b>Not for USA</b>	Motor Drive T/U (1 Pulse Output, Stop Terminal N.C. Type) (Infrared I/O) (Panel Use)	Signal current: 2.3 mA Rated voltage: 24V AC Rated current: 10 mA (Monitor) Output: 300V AC, 6 A		(Non-volatile memory used)	WRT4421-84 WRT4422-84 	
	WRT4421-84 	Motor Drive Terminal Unit (Infrared I/O) (Stop Terminal N.O. Type) (Panel Use)	Signal Current 2.3mA Rated Voltage 24V AC Rated Current 10mA Output 6A 300V AC		(Non-volatile memory used)	WRT5401WK-8 	
(Motor Control Switch)	WRT4422-84 	Motor Drive Terminal Unit (Infrared I/O) (Stop Terminal N.C. Type) (Panel Use)	Signal Current 2.3mA Rated Voltage 24V AC Rated Current 10mA Output 6A 300V AC		(Non-volatile memory used)	WRT5401WK-8 	
	WRT5401WK-8	Motor Control Switch (with Indicator Lamp) (Infrared I/O) (COSMO Module) (White)	Signal current 4.5 mA		Applicable to 1-Gang COSMO Plate (Non-volatile memory used)	WRT4622-84 	
<b>Relay Status T/U</b>							
	WRT4622-84 	Relay Status T/U (Normally ON Contacts) (4-Output) (Infrared I/O) (Panel Use)	Signal current 2.3 mA Output side 6A 300V AC		(Non-volatile memory used)	WRT3224-8 WRT3211-8 	
<b>Contact Input T/Us (infrared I/O) ... For details See page 53 for details.</b>							
	WRT3224-8	Contact Input T/U (4-Input) (Infrared I/O) (Panel Use)	Signal current 2.3 mA ※/Rated voltage 24V AC Rated current 40 mA		input wiring distance not exceeding 100 m Non-volatile memory used Power supply by Transformer required.	WRT3224-8 WRT3211-8 	
	WRT3211-8	Contact Input T/U (1-Input) (Infrared I/O) (Panel Use)	Signal current 5 mA		input wiring distance not exceeding 100 m Non-volatile memory used	WRT3224-8 WRT3211-8 	
<b>Signal Line Monitoring Unit</b>							
	WR39319-8	Signal Line Monitoring Unit (Panel Use)	Input Signal 24V AC Input Signal Current normal 15mA Current Consumption During Indication 50mA			WR39319-8 	

## Sensors, Timer

Passive Infrared Ceiling Units & Daylight Sensor					
Model No.	Description	Rating	Symbol in diagram	Remarks	
 WRT3374K-8	Passive Infrared Ceiling Unit (Infrared I/O) (with Photosensor)	Signal current 20 mA			
 WRT3311-8	Passive Infrared Ceiling Unit (Infrared I/O) (Lighting Control Use) (Outlet Box Use)	Signal current 20 mA			
 WRT3394-8	Passive Infrared Sensor Switch (Infrared I/O) (Wall Mount) (with Photosensor)	Signal current 20 mA			
 WRT3375-8	Auxiliary Passive Infrared Ceiling Unit (Flush Mount)	DC 12V			
 WRT3315-8	Auxiliary Passive Infrared Ceiling Unit (Outlet Box Use)	DC 12V			
 WRT3395-8	Auxiliary Passive Infrared Sensor Switch (Wall Mount)	DC 12V			
 WRT3364K-8	Passive Infrared Ceiling Unit (Infrared I/O) (with Photosensor) (Wide Detection Area Type)	Signal current 20 mA			
 WRT3365-8	Auxiliary Passive Infrared Ceiling Unit (Wide Detection Area Type)	DC 12V			
 WRT3367-8	Auxiliary Passive Infrared Ceiling Unit (Wide Detection Area Type) (with Amplifier)	Signal current 20 mA DC 12V			
Daylight Sensor Ceiling Unit					
 WRT3657-8	Daylight Sensor Ceiling Unit (Infrared I/O)	Signal current 15 mA		See page 57 for details.	
Program Timer Unit					
 WRT3540K-8	Program Timer Unit (Astronomical Clock Type, 24V AC)	Signal current 15 mA *Rated voltage 24V AC *Rated current 350 mA		See page 67 for details. Transformer required.	







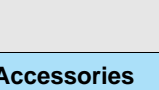





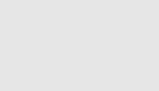

•Signal current: Rated input signal current (Name displayed on units)

•Dimensions (units: mm)



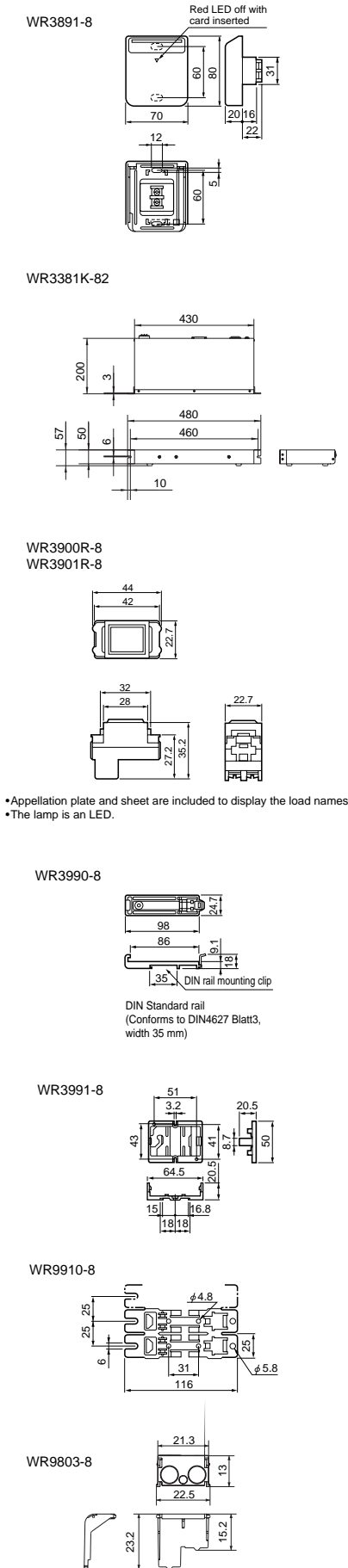
Note  
Passive Infrared Ceiling Unit is only available for lighting control. Do not use to control non-lighting loads such as electrical equipment, air conditioning equipment, and alarm systems. Doing so may cause malfunctions and lead to accident or injury.

## Other devices, Accessories

Card Operation Switch					
Model No.	Description	Rating	Symbol in diagram	Remarks	
 WR3891-8	Card Operation Switch (for Individual and Group Control)	Signal current 7 mA		See page 65 for details.	
Computer Interface Units					
 WR3381K-82	Computer Interface Unit	Rated voltage 230V AC Power consumption 4 W Signal current 15 mA		Required to prepare programming software and applicable power cord	
Appellation Indication Units (Dip Switch)					
 WR3900R-8	Appellation Indication Unit (Relay Status Indication Type) (Red)	Signal current 10 mA		Applicable to FULL-COLOR Plates (1)	
 WR3901R-8	Appellation Indication Unit with T/U Function (Switch Contact Input T/U-linked Type) (Red)	Signal current 10 mA		Applicable to FULL-COLOR Plates (1)	
Accessories					
 WR3990-8	DIN Rail Mounter (Panel Use for Relay)	—	—	—	
 WR3991-8	DIN Rail Mounter (for Relay Control T/U)	—	—	—	
 WR9910-8	Mounting Strap (Panel Use for 10 Relays)	—	—	10 spaces	
 WN3710-8	Insulated Mounting Strap (FULL-COLOR Module)	—	—	—	
 WTF3710	Insulated Mounting Strap (COSMO Module)	—	—	—	
 WN3020-8	Blank Chip	—	—	—	
 WR9803-8	Terminal Cover for 20A HID Relay	—	—	for WR6161K-8 & WR6161K-84 only	

•Signal current: Rated input signal current (Name displayed on units)

•Dimensions (units: mm)



•Appellation plate and sheet are included to display the load names.  
•The lamp is an LED.