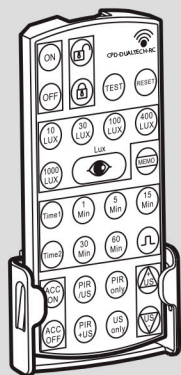


UT Set IR REMOTE CONTROL
for Dual-Technology Detector
CPD-DUALTECH-RC



INSTRUCTION MANUAL

TECHNICAL SPECIFICATIONS

Rated Voltage	3V DC (CR2032 battery)
Transmission Range	Approx. 10m
Transmission Angle	35°
Operating Temperature	0°C to +45°C
Storage Temperature	-25°C to +55°C

1 PACKAGE CONTENTS

Pattern					
Item	IR remote controller	Bracket	Wood screw Φ 4 x 25mm	Double-sided adhesive tape	Manual
Quantity	1	1	2	1	1

2 FEATURES

- 2.1 No need of climbing ladders, the Dual-Technology series presence detectors can be programmed easily and quickly with CPD-DUALTECH-RC.
- 2.2 By pressing “” button the ambient light level can be read-in as the threshold of switching on / off for detector’s load (Refer to function of “” button).
- 2.3 A key chain hole is designed for convenient carry (See FIG.1).

3 INITIATION OF OPERATION

- A battery for the IR remote controller is included. Please remove the insulation sheet before initial use (See FIG.1).
- For further information on programming, please refer to the operating instructions for the device you are setting up.

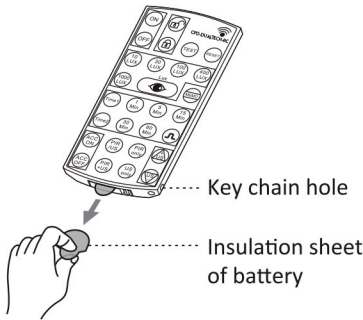


FIG.1

4 INSTALLATION

4.1 Battery installation and replacement

Keep the locking mechanism pressed down and pull out the battery holder, then put in a new battery (type CR2032 3V DC). And please make sure that the polarity is correct, then insert the battery holder into the housing (See FIG.2).

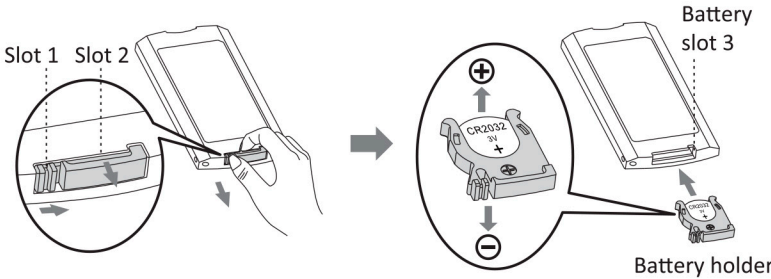


FIG.2

4.2 Wall bracket installation

4.2.1 Fix the wall bracket on the wall by attached wood screw (See FIG.3-A), then slide CPD-DUALTECH-RC into it (See FIG.3-B).

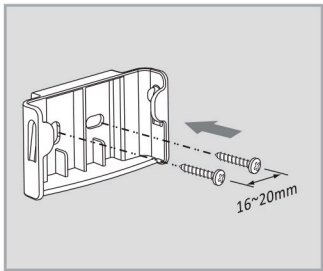


FIG .3-A

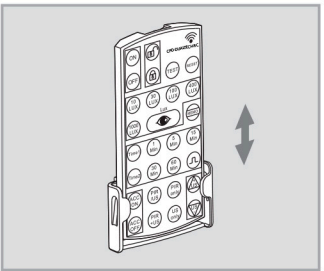


FIG .3-B

4.2.2 Stick the wall bracket on the wall by attached double-sided adhesive tape (See FIG.4-A), then slide CPD-DUALTECH-RC into it (See FIG.4-B).

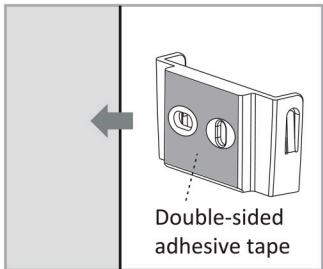


FIG .4-A

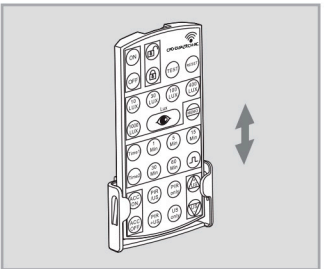





















FIG .4-B

























5 PUSH BUTTON FUNCTION













NOTE

- Press “” button to start setting operation.
- By using “” button, the settings of light level and time can be duplicated to other detectors.
- Each operation on button can transmit signal for maximum 1sec. No signal will be transmitted if two or more buttons are pressed simultaneously.
- Presence detector confirms the signal reception by LED flashing for 2sec.
- All the settings for load II (CH2) are invalid while detector has only one load (channel).

Button	Function
	<p>To set load I (CH1) on for 8hrs</p> <ul style="list-style-type: none">● By pressing “” button, the load of detector will be turned on for 8hrs.● Load will be turned off after 8hrs and return to auto mode. Or press “” button again to exit this “8hrs on mode” during this period, detector will return to auto mode.Or switching off power supply of presence detector for 5sec and re-supply it again to lead detector to auto mode.● Load I (CH1) can be lead to off mode by pressing “” button under on mode.

Button	Function
	To set load I (CH1) off for 8hrs <ul style="list-style-type: none">● By pressing “” button, the load connected to detector will be turned off for 8hrs.● Detector will return to auto mode after 8hrs. Or press “” button again to exit this “8hrs off mode” during this period, detector will return to auto mode. Or switching off power supply of presence detector for 5sec and re-supply it again to lead detector to auto mode. <ul style="list-style-type: none">● Load I (CH1) can be lead to on mode by pressing “” button under off mode.
	Unlock CPD-DUALTECH-RC buttons <ul style="list-style-type: none">● By pressing “” button, CPD-DUALTECH-RC buttons will be unlocked. Thereafter, IR remote controller can be used to set presence detector.● The default channel is CH1 (Load I) after unlocking CPD-DUALTECH-RC.● When operating CPD-DUALTECH-RC to detector under unlock mode, detectorwill lock automatically 5min after the last operating if “” button is not pressed.
	To lock CPD-DUALTECH-RC buttons <p>By pressing “” button, CPD-DUALTECH-RC buttons will be locked and no keyfunction is workable (Except “” & “”).</p>
	Test mode <ul style="list-style-type: none">● By pressing “” button to enter into Test mode, it is confirmed by detector’s LED flashing for 2sec. Walking through the detection coverage, both load I (CH1) and detector’s LED turn on 2sec once detector is triggered (Reaction is regardless of Lux value).● LoadII (CH2) has no reaction in test mode.
	To reset settings on presence detector <p>By pressing “” button aiming to the detector, all settings on presence detector will go back to potentiometers’ settings, and all MEMO data will be deleted.</p>
 	To adjust Lux value <p>By pressing corresponding button, the selected light level threshold is set to presence detector for switching on the connected load. LoadII (CH2) is independent of Lux value.</p>
	To read-in the actual ambient light level <p>Actual ambient light level can be read-in as threshold for switching the connected load, if the provided Lux values do not match user's requirement.</p> <p>The steps are as below: Press “” button till detector's red LED flashing to enter into learning mode, learning time is 10sec. Then the actual ambient light level is read-in confirmed by both load and LED turn on for 5sec to indicate CPD-DUALTECH-RC learning successfully andthen turn off. Afterwards, it returns to Auto mode.</p> <p>Note: If the ambient light level is out of the range of 10 - 1000Lux, detector will learn for 10sec, then LED flashes quickly for 5sec to indicate CPD-DUALTECH-RC learning is failed, and the alternative of 10Lux or 1000Lux value will be stored depending on under 10Lux or above 1000Lux value.</p>

Button	Function
	The previous setting values can be stored and duplicated to other detector <ol style="list-style-type: none">1. Set the desired Lux and time values on one detector by using IR remote controller.2. Then by pressing “” button for approx. 3sec aiming to above detector, the Lux and time settings of this detector will be saved into this IR remote controller by detector’s LED flashing.3. By pressing “” button again for approx. 1sec aiming to a new detector, the saved settings can be duplicated to the new detector.4. Transfer the settings to detectors desired by repeating above last step. If no data is saved in IR remote controller, detector has no reaction after press “” button.5. Battery removed for more than 5sec or “” button is pressed, all the data in IR remote controller will be deleted.
 	Select load for time setting <p>By pressing “” to set the delay off time value of load I (CH1), and “” to set the delay off time value of load II (CH2). “” is invalid if the detector has only one load.</p>
 	Time setting for Time / Time1 or Time2 <p>By pressing “” “” to select the load desired to set the delay off time value. Either “” or “” is pressed, LED flashes 2sec, and then press the corresponding time value button to set it, which is confirmed by detector’s LED flashing for 2sec.</p>
	Short impulse mode <ul style="list-style-type: none">● Press “” button to enter into short impulse mode, both LED and load are controlled by Lux under this mode.● If the triggering method is “PIR+US”: Both PIR and ultrasonic sensors are triggered, the load and LEDs will be on for 1sec, and then off. The next triggering should be 9sec interval.● If the triggering method is “PIR/US”: Either PIR or ultrasonic sensor is triggered, the corresponding LED and load will be on for 1sec, and then off. The next triggering should be 9sec interval.● If the triggering method is “PIR only”: Only PIR sensor is triggered, the red LED and load will be on for 1sec, and then off. The next triggering should be 9sec interval.● If the triggering method is “US only”: Only ultrasonic sensor is triggered, the green LED and load will be on for 1sec, and then off. The next triggering should be 9sec interval.● LoadII (CH2) has no reaction in short impulse mode.
 	ACC on / off control function <ul style="list-style-type: none">● Pressing “” button to activate the air current compensation function which is confirmed by the green LED keeping on for 5sec.● Pressing “” button to deactivate the air current compensation function which is confirmed by the green LED flashing for 5sec.
	PIR or Ultrasonic mode <p>By Pressing “” button, the detector is set to activate its load on when either PIR sensor or ultrasonic sensor is triggered by movement. When PIR is triggered, the red LED will flash; when ultrasonic sensor is triggered, the green LED will flash. To exit this mode by selecting other mode.</p>

Button	Function
	PIR & Ultrasonic mode <p>By pressing “” button, the detector is set to activate its load on when both PIR sensor and ultrasonic sensor detect the movement, and both red and green LEDs will flash. To exit this mode by selecting other mode.</p>
	PIR only function <p>By pressing “” button, the detector is set to activate its load on only when the PIR sensor of it detects the movement, and the red LED will flash to confirm the successful setting of this mode. To exit this mode by selecting other mode.</p>
	Ultrasonic only function <p>By pressing “” button, the detector is set to activate its load on only when the ultrasonic sensor of it detects the movement, and the green LED will flash to confirm the successful setting of this mode. To exit this mode by selecting other mode.</p>
 	Sensitivity adjustment of Ultrasonic sensor <ul style="list-style-type: none">● By pressing “” “” buttons to set the sensitivity of ultrasonic sensor. Each time the user presses the button, the sensitivity of ultrasonic sensor would increase or decrease 10% with indication of green LED flashing.● By pressing “” button to increase the sensitivity of ultrasonic sensor.● By pressing “” button to decrease the sensitivity of ultrasonic sensor.● When the sensitivity of ultrasonic sensor is at its highest or lowest level which is confirmed by green LED keeping on for approx. 2sec.

6 TROUBLE SHOOTING

When remote controller CPD-DUALTECH-RC works abnormally, please check assumptiveproblems and suggested solutions in following chart that hopefully solve your problem.

Problem	Possible cause	Suggested solution
Detector fails to receive signal	1. Exceed the transmission range. 2. Low battery power. 3. Detector works abnormally.	1. Operate within transmission range 10m, and ensure CPD-DUALTECH-RC aims directly to the detector. 2. Replace a new battery. 3. Check the trouble of detector, then refer the TROUBLE SHOOTING of detector manual for repairing.
No signal	1. Low battery power. 2. Press two or more buttons once.	1. Replace battery. 2. Press one button once.
Fail to transmit signal	In locked mode.	Unlock CPD-DUALTECH-RC.

smart switch
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