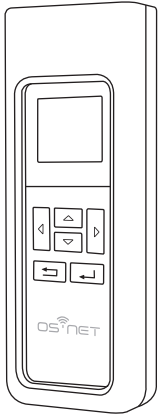




## SRP-281

OS-NET Remote Programmer

### OPERATION INSTRUCTIONS



w/rubber housing

### SPECIFICATIONS

Power supply	2 x AAA 1.5V battery, Alkaline preferred
Rubber housing	SRP-281 must be installed in housing
Display unit	128 x 96 dot matrix LCD
Communication	940 nm Infrared Tx & Rx
Upload range	Up to 10 m (33 ft.)
Download range	Subject to the type of sensor applied
Uploading time	Approx. 6 sec.
Downloading time	Approx. 10 sec.
LCD auto-off time	Approx. 1 min.
Op. temperature	0°C~50°C (32°F~122°F)
Dimensions	130 x 50 x 21 mm (5.1" x 2" x 0.8")

### WARNING

Remove the batteries from compartment if the remote will not be used in 30 days.

### OVERVIEW

The SRP-281 is a 2-way IR remote programmer designed for configuring the OS-NET wireless lighting control solution. This handheld programming tool not only allows you to upload/download all settings of OS-NET network and devices, but also turn on/off/dim the individual/group lighting controlled by the OS-NET sensor via simple and intuitive operation.

### KEY DESCRIPTIONS

KEY	FUNCTION
	UP <ul style="list-style-type: none"> <li>Enter into UPLOAD page</li> <li>Dim up the connected light</li> <li>Select the setting bar (up)</li> </ul>
	DOWN <ul style="list-style-type: none"> <li>Enter into DOWNLOAD page</li> <li>Dim down the connected light</li> <li>Select the setting bar (down)</li> </ul>
	LEFT <ul style="list-style-type: none"> <li>Turn the light ON (auto-off)</li> <li>Change setting (decrease)</li> </ul>
	RIGHT <ul style="list-style-type: none"> <li>Turn the light OFF manually</li> <li>Change setting (increase)</li> </ul>
	ENTER <ul style="list-style-type: none"> <li>Confirm the command</li> <li>Upload setting</li> </ul>
	BACK <ul style="list-style-type: none"> <li>Select individual/group on/off</li> <li>Back to previous page</li> <li>Enter/exit manual dimming control (long press &gt; 1 second)</li> </ul>

### Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

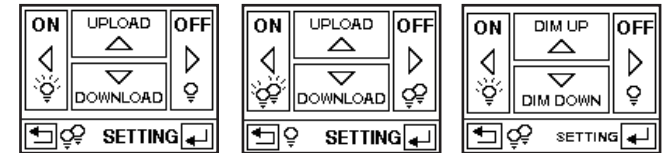
### BASIC OPERATION

REMOTE INFO	
HW:	.
FW:	.
PF:	.
[PRESS ANY KEY]	

Before operating the SRP-281 Remote Programmer, ensure the batteries are correctly placed in the compartment. Press any key, the MAIN MENU will be displayed for your operation.

- Note:**
- Peel off screen protective film before use.
  - The LCD will automatically shut off 1 minute after the last key operation to save battery power. Pressing any key will wake up the LCD. Replace the batteries if "low battery" sign appears after LCD wake-up.
  - To avoid changing the setting of devices nearby, always execute upload and download operations right under the target sensor.

### MAIN MENU



- To enter into SETTING pages, press
- To conduct UPLOAD operation, press
- To conduct DOWNLOAD operation, press
- To swap individual or group control, press
- To turn off the light\*, aim at the device and press
- To turn on the light\*, aim at the device and press
- To dim up/down the light, long press to enter manual dimming control, aim at the sensor and press



\*OS-NET will resume control after the delay time elapsed.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



www.irtec.com

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This product may be covered by one or more U.S. patents or patent applications. Please visit [www.irtec.com](http://www.irtec.com) for more information.



## SETTING

The SETTING pages allow you to setup group link, device control, save/recall and lock/unlock the settings of OS-NET devices.

## UPLOAD

The UPLOAD function allows you to configure all settings of the devices via simple button operation. You may select CURRENT SETTING or any EZ-SET profile for uploading. Select CURRENT SETTING means to upload the current settings of all available setting items.

## DOWNLOAD

The DOWNLOAD function allows you to read the group assigned, device setting, current dim, and current lux from an installed sensor, while you can also obtain basic product information of the remote, device, and network.

## ON/OFF CONTROL

Press the LEFT/RIGHT key while aiming the remote toward an OS-NET device will allow the user to turn the controlled lighting ON/OFF in individual or group basis. Pressing the BACK key will swap the control in individual (one lamp) or group (two lamps) basis.

## MANUAL DIMMING

Manual dimming can be enabled by pressing the BACK key for more than 1 second. Press UP/DOWN key while aiming the remote towards an OS-NET device will increase/decrease the output of controlled lighting. Short press the BACK button to swap between individual and group control.

This document provides only brief introduction of SRP-281 operation, for more detailed information, please refer to the OS-NET Programming Guide available from [www.irtec.com](http://www.irtec.com).

### Programming Guide



**SETTING ITEMS** The table below highlights all setting items and options available on the SRP-281. Due to different functionality, certain settings and options may not be applicable on specific OS-NET device. N/A will be displayed to indicate not-applicable settings and options. For available settings of specific device, please refer to the respective installation instruction. **NOTE:** For OS-NET Button, only the setting items under GROUP-LINK are applicable.

Setting	Item	Description	Options
GROUP LINK	EZ-GROUP	Easy group assignment to all OS-NET devices.	4 x MBR OF GROUP
	ADVANCED	Setting special control, such as pre-lighting or directional guide lighting.	TRANSMITTING/RECEIVING
	UNGROUP	Disengage the device from the network connected.	
DEVICE	INDIV-SET	To set the sensing control scheme in individual basis.	
	GROUP-SET	To set the grouped devices with same control schemes and parameters.	
	CONTROL	Available sensing control schemes of OS-NET sensor and OS-NET power pack.	ON/OFF, OSO, OSLA, OSLATO, DSVM, DSC, VSC, OSB, OFF, PLC
	DALI POWER	Enable/disable the sensor to provide DALI bus power. NOTE: Only available on DALI sensors.	ENABLED/DISABLED
	HIGH DIM	The output level set to control the light during occupancy, or when ambient light is lower than the threshold if daylight sensing control scheme is selected.	50/55/60/65/70/80/90/100% SmartDIM
	LOW DIM/ SmartDIM	Low dim is the output level set to dim the light when space is vacant. This setting will become SmartDIM bar if SmartDIM control is selected.	0/5/10/15/20/25/30/40%
	DAY/NIGHT SYNC	Setting the primary OS-NET sensor in charge of sensing the ambient light level and reporting the day/night status to other sensors of the group.	PRIMARY/SECONDARY/DISABLED
	AMBIENT LUX	Thresholds of ambient light level for OS-NET sensor to execute control.	10/20/40/60/80/200/400/600/1000/2000 LUX DISABLED/CURRENT
	DELAY	Time that the sensor/power pack will turn off or fade down the controlled light after the area is vacated.	30 sec./1/3/5/10*/15/20/30/60 min.
	TIME OFF	Time that sensor will keep the light at low dim level after the DELAY time elapsed. Only available with the OSLATO control.	10/30 sec./3/5/10*/15/20/30/45/60 min.
	RAMP UP	The speed of lighting output increase.	INSTANT/SOFT/SLOW
	FADE DOWN	The speed of lighting output decrease.	INSTANT/SOFT/SLOW
	VM-TB	Time duration BEFORE Virtual Midnight. Only available if DSVM is selected.	0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6 hour
	VM-TA	Time duration AFTER Virtual Midnight. Only available if DSVM is selected.	0.5/1/1.5/2/2.5/3/3.5/4/4.5/5/5.5/6 hour
	SENSITIVITY	Occupancy sensing sensitivity. To disable the occupancy sensing capability, select OFF.	HIGH/NORMAL/LOW/OFF
	LED INDICATOR	Enable or disable the LED indicator of OS-NET devices.	ENABLED/DISABLED
	BURN-IN	Time duration for burn-in test. To conduct the burn-in test with uncertain duration, select MANUAL.	STOP/12/24/48/72/96HR/MANUAL
	TEST (10-MIN)	Sensor will control the light as the scheme set, but with 10 seconds delay. Automatic exit to resume normal control after 10 minutes.	STOP/START
	DAY O'RIDE	Enable/disable daylight override control. Sensor will shut off the light when ambient lux exceeds the override level set below. To enable daylight override, ambient lux level must be selected.	ENABLED/DISABLED
O'RIDE LEVEL	Set the ambient lux level to enable daylight override.	HIGH(~1.8X)/NORMAL(~1.5X)/LOW(~1.3X)	
MIN. DIM	Set the lowest dim level applicable on the device.	12/15%/DISABLED	
DEFAULT	Resume factory default settings of the REMOTE or DEVICE.	REMOTE/DEVICE	
FIND DEVICE	NETWORK	Find all devices of the same network.	
	GROUP	Find all devices of the same group.	
	D/N SYNC PRIMARY	Find the primary sensor (if applicable) of the day/night sync of the group.	
LOCK/ UNLOCK	LOCK	Close the network to inhibit OS-NET setting change.	
	UNLOCK	Open the network to allow OS-NET setting change.	
	AUTO LOCK	Automatically lock the network 12 hours after created.	ENABLED/DISABLED
SAVE/ RECALL	SAVE AS	Save the settings as an EZ-SET profile for future use.	EZ-SET 1, 2, 3, 4
	RECALL	Recall an EZ-SET profile saved in the remote.	DEFAULT/EZ-SET 1, 2, 3, 4