SRP-280

TRANS Sensor Remote Programmer

OVERVIEW

The SRP-280 is a universal two-way remote programming device designed to provide easy configuration of the remote programmable TRANS sensors from IR-TEC. This handheld programmer not only allows you to configure the sensors, but also download the current settings of the installed sensor from the floor via intuitive keypad operation. The remote does away the need for ladders, scissors lifts, bucket trucks or any other tools.

A bi-directional infrared optical communicator enables not only uploading the new setting parameters to the sensor, but also downloading the current settings and dim level output from the sensor. Up to 4 EZ-SET and an additional default profile can be recalled, modified and saved for quick setting of multiple sensors with identical parameters.

In addition to sensor programming, the SRP-280 can also be used as a typical remote to control local lighting manually. This device not only makes ladder-free sensor and control parameters setting possible, but also provides an easy way to verify conformity with design intent.

FEATURES

- Exceptionally long range 2-way communication
- Intuitive operation makes commissioning faster
- Upload and download status acknowledgement
- Easy to duplicate one sensor setting to another
- Set SmartDIM level to deliver optimum lighting
- Capable of reading the current dim output level
- Set ambient light level for daylight harvesting
- Set high/low dim level output for bi-level control
- EZ-SET profiles enable setting multiple sensors
- Various time settings for burn-in and operation
- Rubber jacket provides superb drop protection

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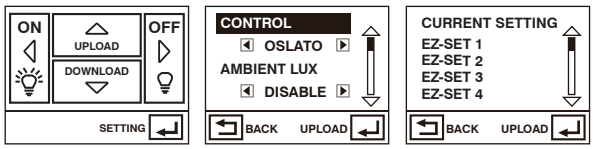
OPERATIONS

The SRP-280 TRANS Sensor Remote Programmer is powered by two AAA batteries. Intuitive keypad operation with instruction on the LCD makes sensor setting and programming an easy job. In addition, it can be used like a typical remote control to turn on and off the local lighting manually.



SETTING

The SRP-280 can program applicable settings of any remote programmable TRANS sensor, including control mode, ambient light level, OFF delay, Time Off delay, high/low dim level, SmartDIM level, ramp-up/fade-down speed, sensitivity, burn-in time, test mode, save and recall EZ-SET profiles, factory default reset…etc.

UPLOAD

The SRP-280 can easily upload control parameters to a single or multiple sensors through easy, intuitive keypad operation. To upload the sensor with new settings, just select the available parameters on the remote, go to the UPLOAD page, aim the remote toward the target sensor, press the "ENTER" key and hold for uploading completed. Once the program is completely uploaded to the sensor, the LCD will display message, and the connected light will flash to acknowledge the upload completion.

DOWNLOAD

To download the current settings, just enter the DOWNLOAD page, aim the SRP-280 at the sensor and hold to receive the data from sensor after pressing the "ENTER" key. The LCD will display message to acknowledge the download status. All current settings will be displayed on the LCD after the download is completed.

CONFIGURATION TABLE

The following table highlights all settings and options available for SRP-280 to configure. Certain settings and parameters may not be available on specific type of sensor with specific control mode selected. For the available settings and options of specific sensor, please refer to the installation instruction of the sensor.

Settings	Description
CONTROL	The mode that the sensor will control the light.
AMBIENT LUX	The ambient light level that sensor will perform the control.
OFF DELAY	The delay time that sensor will turn off or dim the light.
TIME OFF	The delay time that sensor will keep the light at low dim level after the OFF delay time elapsed.
HIGH DIM	The output level set to control the light during occupancy, or when ambient light is below the threshold for daylight sensor.
LOW DIM	The output level set to control the light when the space is vacant, or when ambient light is above the threshold for daylight sensor. Low dim setting will be disabled if sensor is operating in SmartDIM control.
RAMP UP	The speed of increasing the lighting output to HIGH DIM level.
FADE DOWN	The speed of decreasing the lighting output to LOW DIM level or off.
VM-TB	Set the duration before Virtual Midnight. Only available with Daylight Sensor.
VM-TA	Set the duration after Virtual Midnight. Only available with Daylight Sensor.
SENSITIVITY	Set the sensitivity of occupancy sensor.
ON DELAY	The delay time that sensor is set to turn on the load after occupant is detected or after the ambient light is below set threshold for daylight sensors. Not applicable for lighting control occupancy sensors.
BURN-IN	Set the duration for burn-in test. To conduct the burn-in test with uncertain duration, select MANUAL.
TEST (10-MIN)	The sensor will control the light as the mode selected and parameters configured, but with shorten delay times (10 seconds) for testing and function verification. Sensor will automatically return to its normal control after 10 minutes or whenever STOP command is given.
SAVE AS	Save the settings as an EZ-SET profile for future use.
RECALL	Recall the EZ-SET profile saved.
DEFAULT	Resume the factory default settings for REMOTE or SENSOR.
DEVICE INFO	Call out the information of REMOTE or SENSOR.

SPECIFICATIONS

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