OS-NET Engineering Test Guide

Specializing in Building Sensors

FOREWORD

This document is prepared for the persons who intend to conduct engineering test on the OS-NET devices at lab. Before start testing, please have the following devices ready;

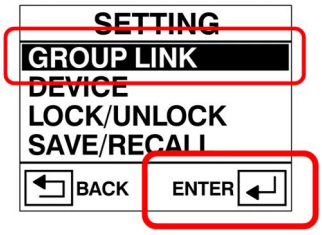
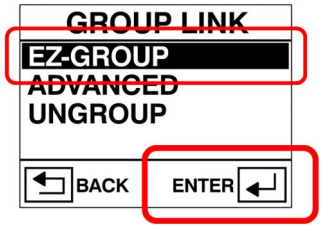
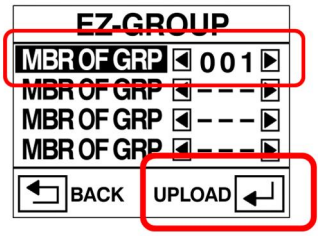
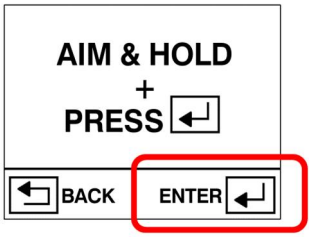
- ☐ OS-NET enabled luminaires: as many as available.
- ☐ OS-NET Sensors and general luminaires: as many as available.
- ☐ OS-NET Button: at least one.
- ☐ OS-NET Remote: one is enough.

Procedure and Instructions	Reminders
1. Connecting the Devices 1.1 Have the OS-NET enabled luminaires (if available) ready for test, or connect the OS-NET Sensors to the controlled light respectively. 1.2 Connect Hot (Live) and Neutral wires to OS-NET Button (if available). 1.3 Apply mains power, each ONS will turn on the connected light and its LED will blink "twice" in BLUE to indicate sensor operation.	☐ Ensure that all devices are correctly connected. ☐ Separate the devices to avoid cross-programming. ☐ Suggest covering the sensors to avoid unwanted detection.
2. Creating the Network 2.1 Activate the remote (with rubber cover on) and enter into the EZ-GROUP setting page as per next page. 2.2 Assign the 1st OS-NET Sensor to a group (ex. 001). The LED indicator will blink from BLUE to GREEN and continue for a period of time. 2.3 Assign the 2nd OS-NET Sensor to the same group (ex. 001) within 1 minute. The LED's of two sensors shall blink in BLUE and GREEN intermittently. If both sensors eventually blink in GREEN, it means that an OS-NET network is successfully created.	☐ The connected lights will be on and off two times to acknowledge the setting commands received. ☐ The target sensor will respond with a few short beeps and a long beep after 5 seconds. ☐ Ensure to group only ONE sensor at a time. Cover the other sensors to avoid grouping failure.
3. Grouping Other Devices 3.1 Continue to assign other OS-NET devices to the same or different groups as testing required. The LED of grouping device will blink in BLUE and GREEN intermittently while linking to the network, and eventually blink in GREEN to indicate successful network linkage.	☐ There will be no more 1-minute time limit for grouping the other devices. ☐ Ensure to group only ONE device at a time.
4. Setting the Control Scheme 4.1 Enter into the DEVICE setting pages from SETTING MENU. 4.2 To set all sensors of the group with the same control scheme and parameters, select the "GROUP-SET". 4.3 To set an individual sensor with specific control scheme and parameters of, select the "INDIV-SET".	☐ The connected lights will be switched on and off two times to acknowledge receiving the setting commands. ☐ Sensors of the same group can be set to control the connected lights in different scheme.

NOTE

1. If all devices are placed on the test bench together, ensure to separate or block the non-target devices to avoid receiving the unwanted IR commands that will result in programming failure.
2. Strong light nearby the sensor may affect the IR communication.
3. The network will be automatically locked 12 hours after built-up to prevent accidental linkage by neighboring network. A locked network will allow only certain remote control operations, including Light ON, Light OFF, TEST, BURN-IN, current lux/dim and network data reading. Unlock the network to conduct other operations.
4. For detailed remote operation and programming, please refer to the OS-NET Programming Guide available from www.irtec.com

EZ-GROUP Setting Procedure

Step	Remote Display	Remote Operation and Notes
1		Press any key to enter the MAIN MENU. Press ↵ to enter the SETTING menu.
2		Select GROUP LINK. Press ↵ to enter the GROUP LINK page.
3		Select EZ-GROUP. Press ↵ to enter the EZ-GROUP page.
4		Select the group number (001-250) to be assigned for the device on the 1st MBR OF GRP. Press ↵ to upload the grouping data. NOTE: 001 is just an example.
5		Aim the remote at the target sensor or closed to the button. Press ↵ and hold until transmission completed. NOTE: The OS-NET Sensor will respond with a few short beeps, and a long beep after about 5 seconds.
6		To assign the other sensor to the SAME group, aim the remote at the sensor and press ↵ to upload again. To assign the other devices to a DIFFERENT group, go back to Step 4, select a new group number and repeat Step 5.