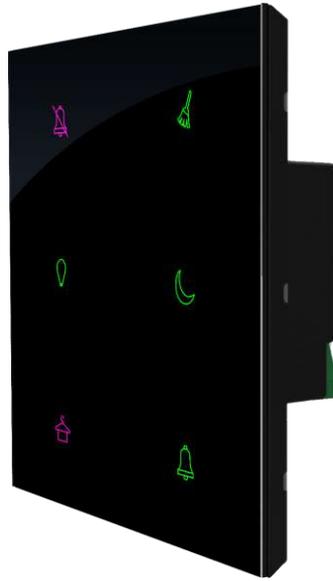


# Unirro-KNX

## GRMS Solution

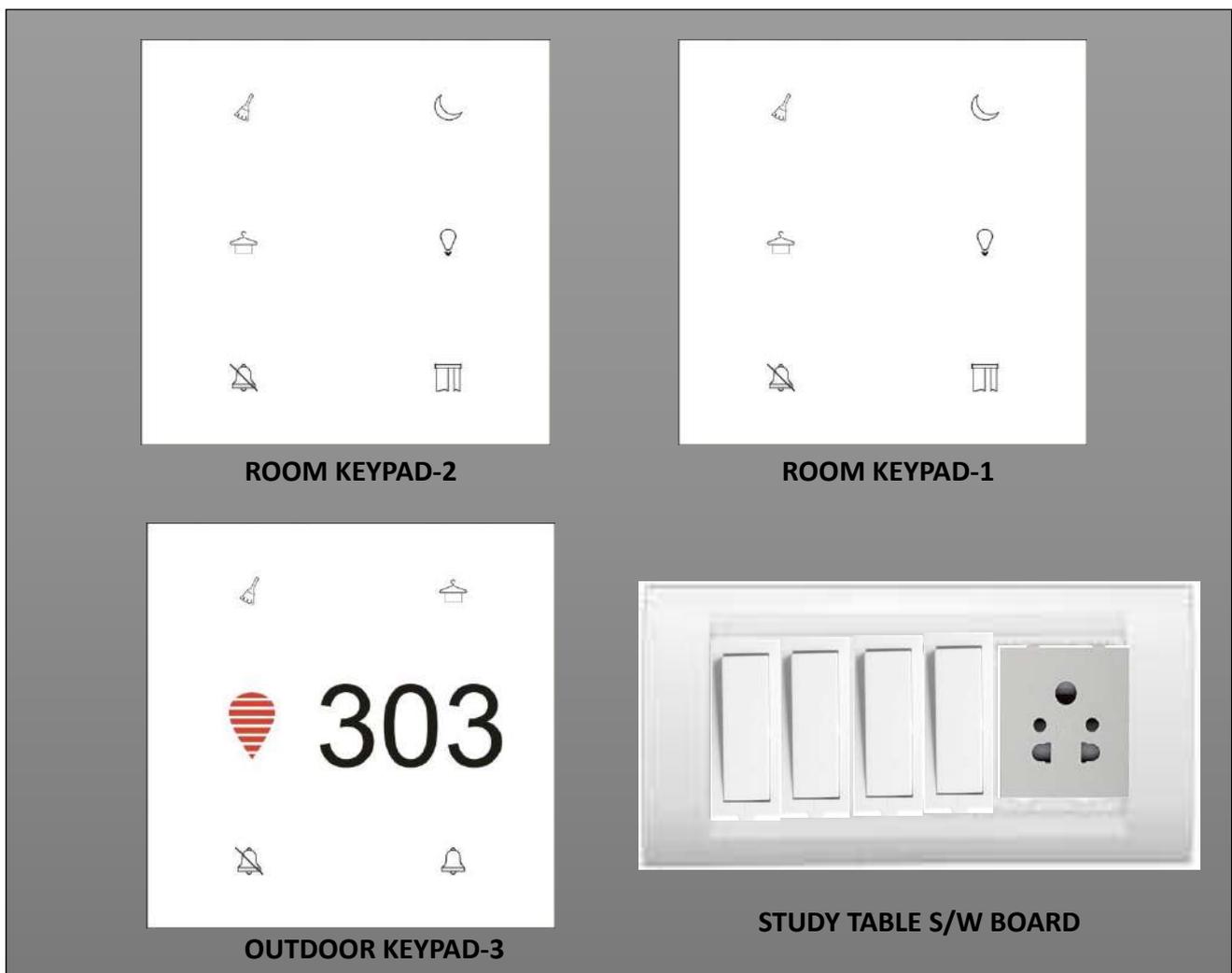


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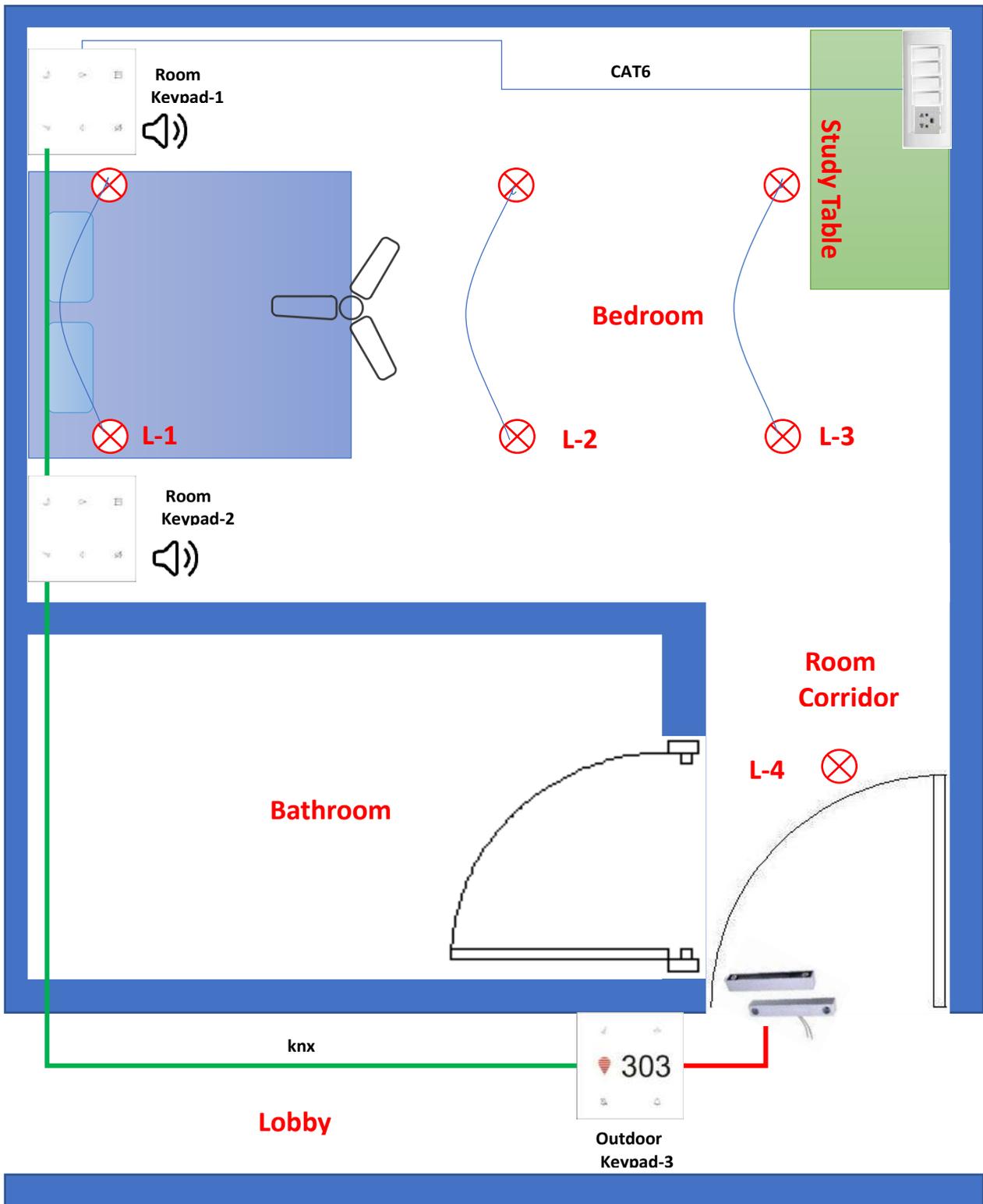
**GRMS Solution:**

Unirro-knx provides the solution for Guest Room Management System:

As per shown in the fig below, we can combine the GRMS & Automation system by using Unirro-knx, It provides Lighting, Fan, AC, Curtain control along with the indications like DND,MMR, Laundry. As it is having inbuilt buzzer, it also works as doorbell.



**GRMS Panels: fig-1**



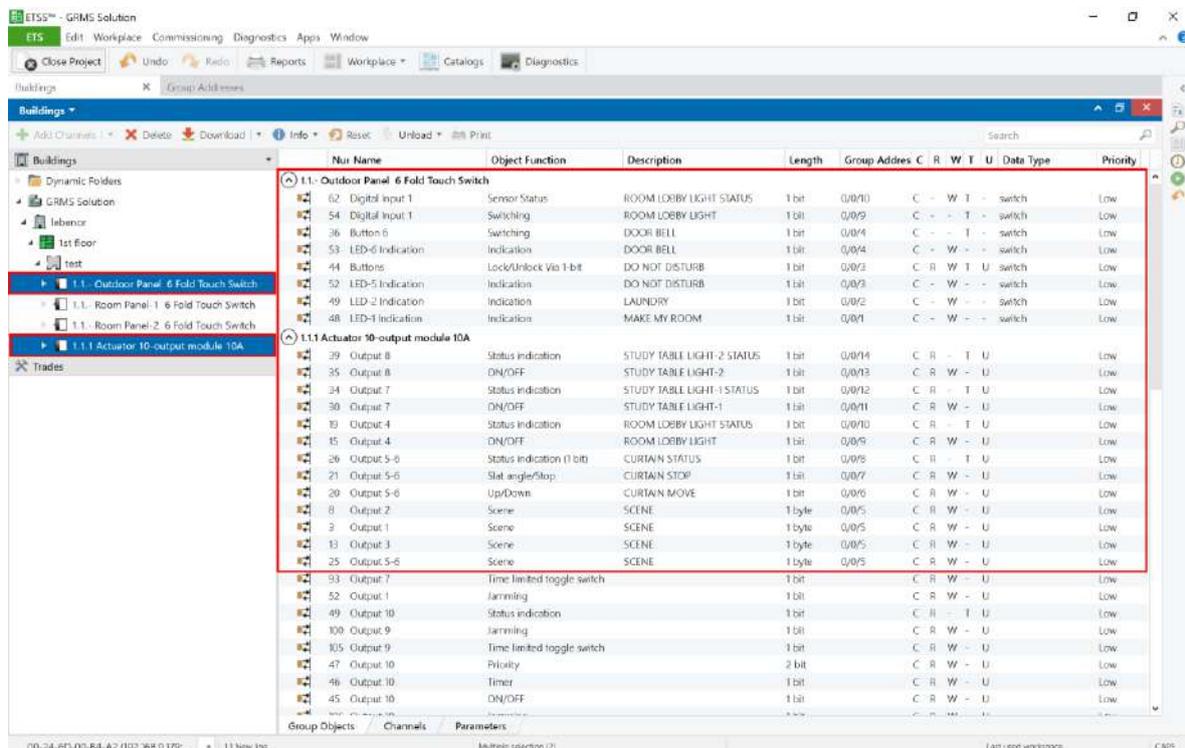
**Application Diagram: fig-2**

## **GRMS SOLUTION:**

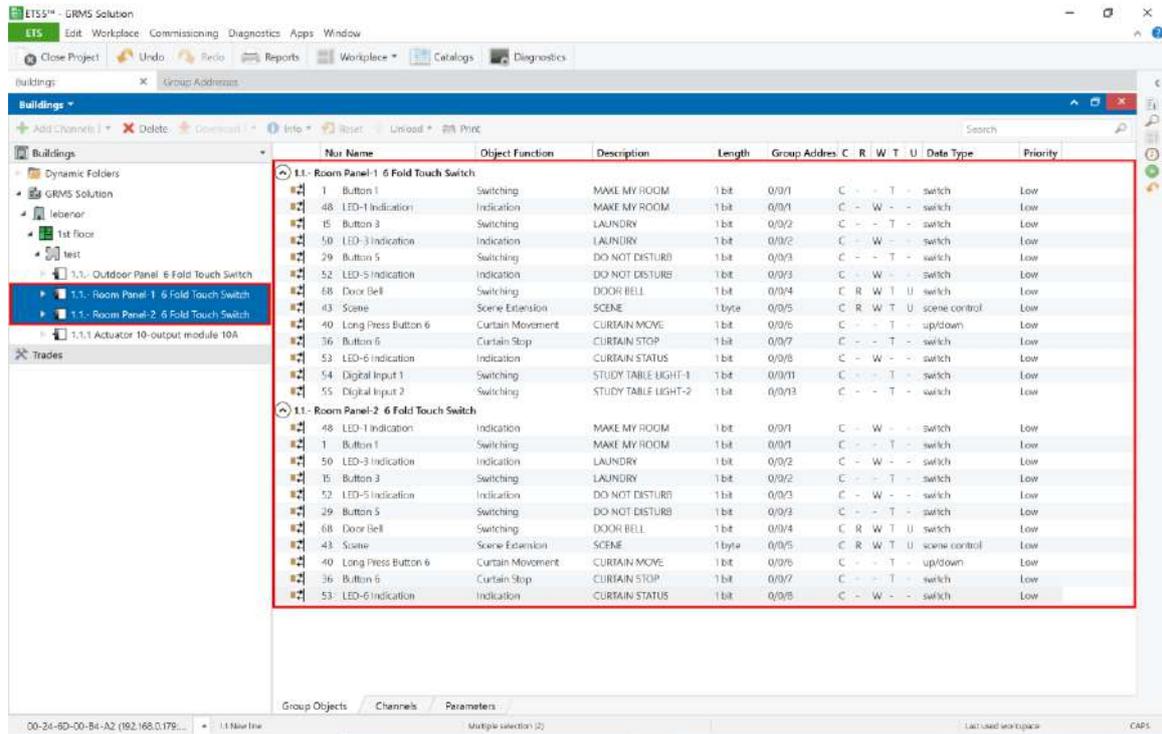
Unirro-knx is having independent LED indications control. We can simply use it as GRMS system. Following are the configuration steps for GRMS solution:

### **Steps:**

- Install one Unirro-knx at the outside of the room as outdoor panel & install another two Unirro-knx inside the room as control keypad. (Refer fig2)
- Outdoor keypad configure as indication panel only one button will be configure as switching for door bell, all other buttons should be disable.(Refer fig-3)
- Both Indoor keypad has 6 buttons, 3 buttons will be configure as switching to trigger the commands for DND, MMR and Laundry, other 3 buttons are for automation control for ex. Lighting, curtain, scenes etc.(Refer fig-4)
- If the button1 of the both room keypad assigned for MMR then Link the button1 switching object & LED indication with the MMR LED indication of the Outdoor Keypad. (Refer fig-9)
- Follow similar step for Laundry indication. (Refer fig-9)
- If the button5 of the both keypads assigned for DND then Link the button5 switching object & LED indication with the DND LED indication of the outdoor keypad. Also it should be link with the Lock/Unlock object of the outdoor keypad, to disable the doorbell at DND. (Refer fig-9)
- For doorbell assign the outdoor keypad doorbell button6 to the “Door bell” object of the both room keypads. (Refer fig-8 & 9)
- Install Magnetic sensor at main door & connect it to the digital input of the nearest Keypad. So we can control the room lobby light as per the door operation.(Refer fig-11)
- Also as shown in the fig-2, we can connect the ordinary switch to the room keypad-1 to get the control of the Automation system through Study table switch board.



**Devices Linking-1: fig-3**



**Devices Linking-2: fig-4**



**Door Bell Button: fig-5**



**Keypad Lock/Unlock: fig-6**

1.1.- Room Panel-1 6 Fold Touch Switch > 6 Fold Touch SW > Digital Input > ...

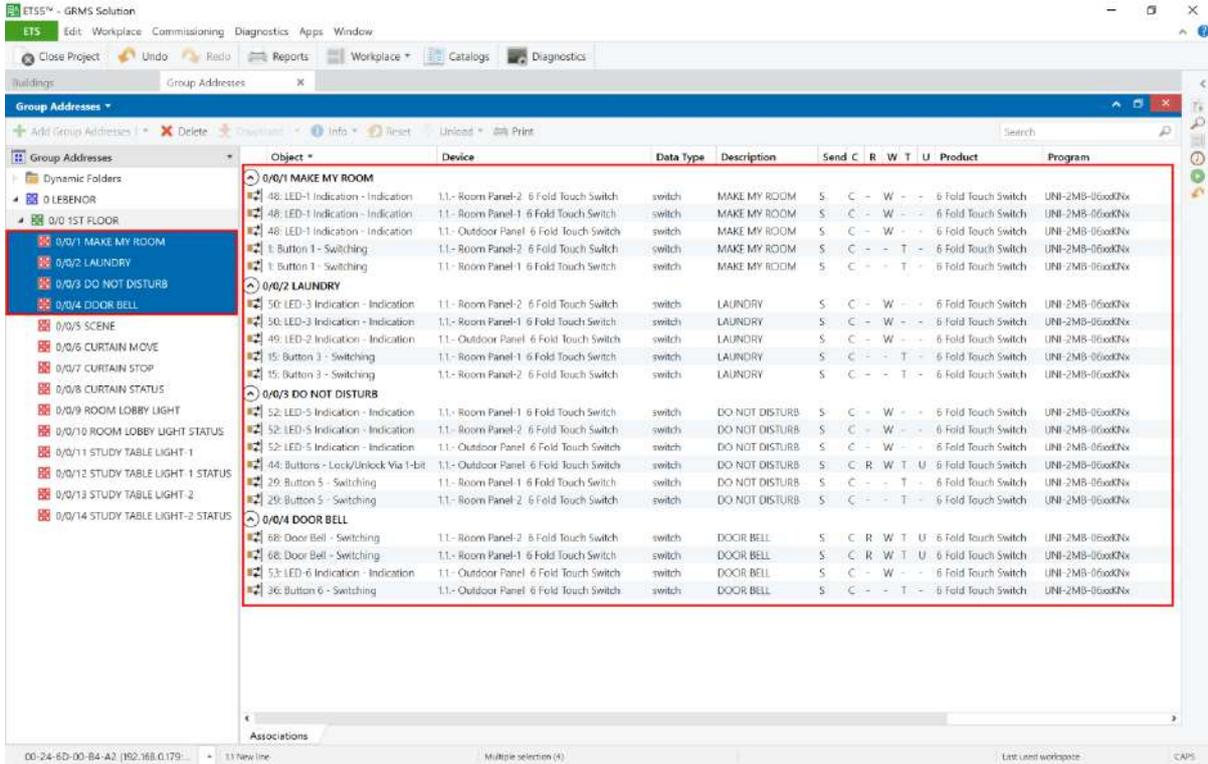
- 6 Fold Touch SW	Function	Push Button
+ General Settings	Value to be transmitted	Toggle
+ Buttons	Block Digital Input	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
- Digital Input		
Digital Input 1		
Digital Input 2		
Digital Input 3		
Digital Input 4		

**Digital Input: fig-7**

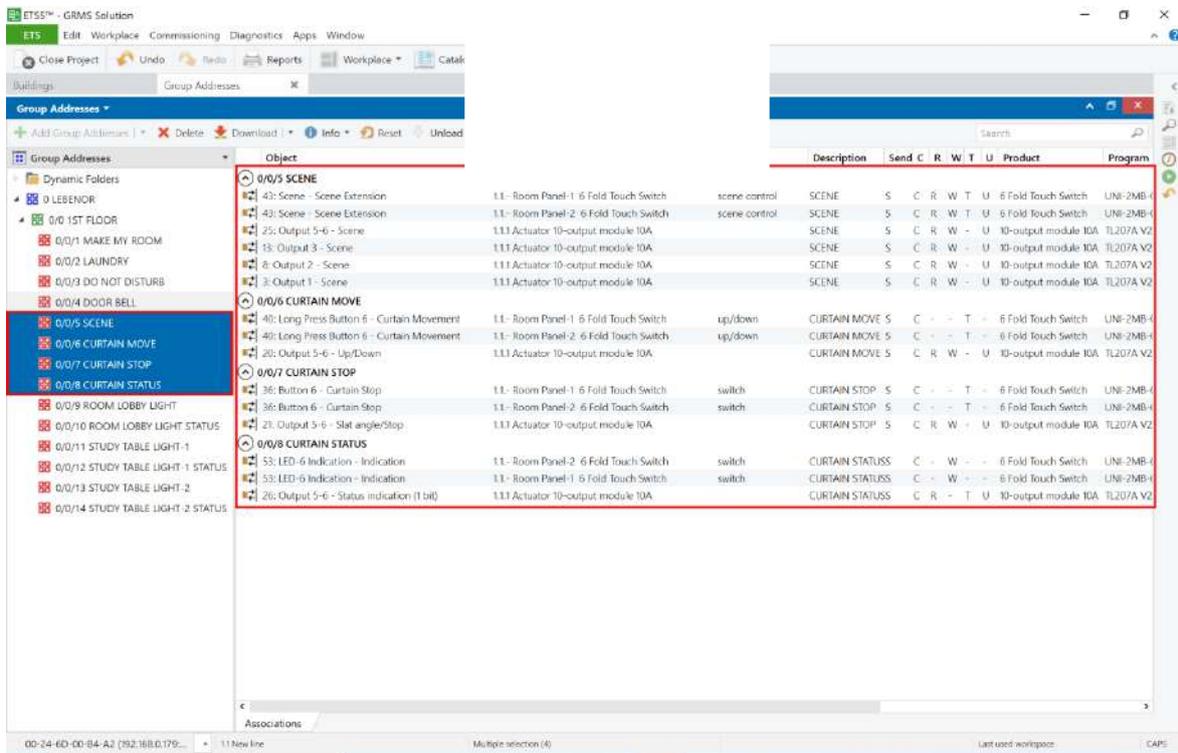
1.1.- Room Panel-2 6 Fold Touch Switch (Multiple selection) > 6 Fold Touch SW > Sounder > Door Bell

- 6 Fold Touch SW	Function	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
+ General Settings		
+ Buttons		
+ Digital Input		
- Sounder		
Service Call		
Nurse Call		
Door Bell		
+ Indication		

**Door Bell Object: fig-8**



**GRMS GA: fig-9**



**Automation GA: fig-10**

Object	Device	Data Type	Description	Send	C	R	W	T	U	Product	Program
Q/0/9 ROOM LOBBY LIGHT	54: Digital Input 1 - Switching	switch	ROOM LOBBY LIGHT	S	-	-	-	-	-	6 Fold Touch Switch	LINE-2MB-
	55: Output 4 - ON/OFF	1.1.1 Actuator 10-output module 10A	ROOM LOBBY LIGHT	S	C	R	W	-	U	10-output module 10A	TL207A V2
Q/0/10 ROOM LOBBY LIGHT STATUS	52: Digital Input 1 - Sensor Status	switch	ROOM LOBBY LIGHT STATUS	S	C	-	W	T	-	6 Fold Touch Switch	LINE-2MB-
	53: Output 4 - Status indication	1.1.1 Actuator 10-output module 10A	ROOM LOBBY LIGHT STATUS	S	C	R	-	T	U	10-output module 10A	TL207A V2
Q/0/11 STUDY TABLE LIGHT-1	54: Digital Input 1 - Switching	switch	STUDY TABLE LIGHT-1	S	C	-	-	T	-	6 Fold Touch Switch	LINE-2MB-
	55: Output 7 - ON/OFF	1.1.1 Actuator 10-output module 10A	STUDY TABLE LIGHT-1	S	C	R	W	-	U	10-output module 10A	TL207A V2
Q/0/12 STUDY TABLE LIGHT-1 STATUS	54: Output 7 - Status indication	1.1.1 Actuator 10-output module 10A	STUDY TABLE LIGHT-1 STATUS	S	C	R	-	T	U	10-output module 10A	TL207A V2
Q/0/13 STUDY TABLE LIGHT-2	55: Digital Input 2 - Switching	switch	STUDY TABLE LIGHT-2	S	C	-	-	T	-	6 Fold Touch Switch	LINE-2MB-
	56: Output 8 - ON/OFF	1.1.1 Actuator 10-output module 10A	STUDY TABLE LIGHT-2	S	C	R	W	-	U	10-output module 10A	TL207A V2
Q/0/14 STUDY TABLE LIGHT-2 STATUS	56: Output 8 - Status indication	1.1.1 Actuator 10-output module 10A	STUDY TABLE LIGHT-2 STATUS	S	C	R	-	T	U	10-output module 10A	TL207A V2

**Indication GA: fig-11**

**Thank You**

For any further technical support call us on +91 9607002474 or write us on support@lebenor.com