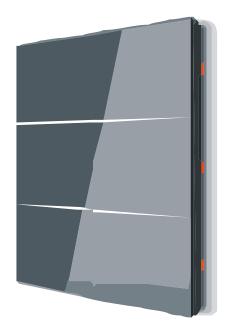
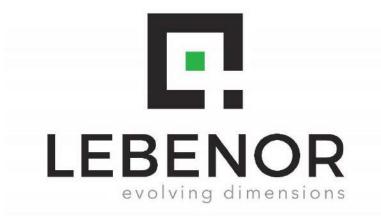


# Unirro-KNX

# **Digital Input Application**



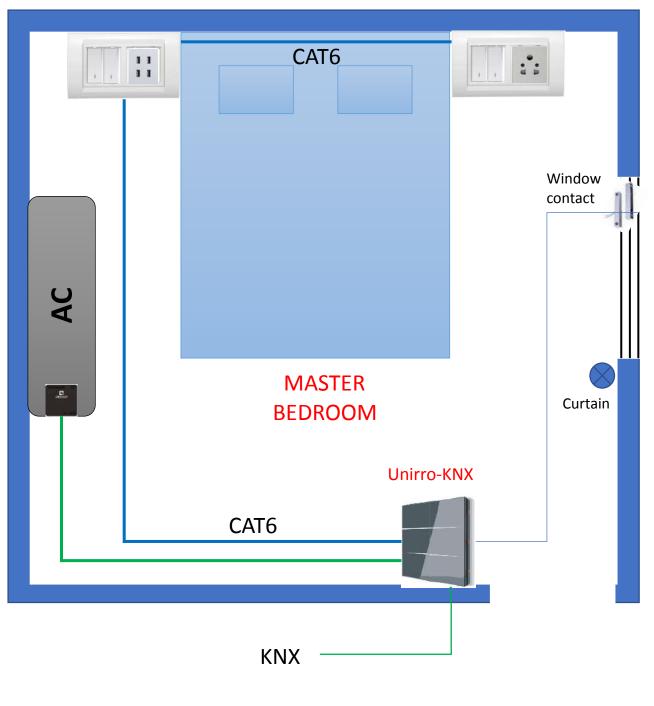


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#### **Digital Input Solution (Ex: Master Bedroom):**

Unirro-knx is having 4 digital inputs; we can connect the Sensor, push button and switch to those inputs to & configure to trigger the knx commands like switching & scene.

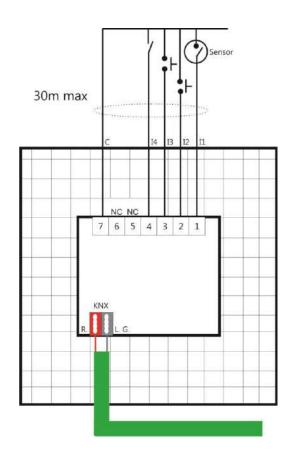


Application Diagram: fig-1



#### **Steps for Configuration of Digital Inputs:**

- As shown in the fig-1 connect the switch button & Sensor to the digital input of the nearest Unirro-knx keypad. Typical connections diagrams are shown in fig-2.
- Configure the particular digital input-1 as sensor, & set the transmitted value "1" refer fig-3, configure digital input 2 & 3 as switch & set the transmitted value "1" for NC & "0" for NO. And last 4<sup>th</sup> digital input configure as scene & set the transmitted value "Scene-1" for NO & "Scene-2" for NC. (Refer fig-3,4 & 5)
- > Link the input commands to their correspondent Group addresses as shown in fig-
- > 4<sup>th</sup> input is used to control the curtain through scene object. (Refer fig-7)
- 1<sup>st</sup> input (Window sensor) is linked with the "AC OFF" object to co-ordinate AC operation with the window. AC should be switched off while window is open.
- > Digital input 2 & 3 are configured for normal switching operation.



**Typical Connection Diagram: fig-2** 



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Devices X Group Addresses					
Devices *					N (1) (N) (2)
🕂 Add Charness I * 🗙 Delete 🔮 Countral -	💿 😥 🚽 Highlight Changes	Default Parameters Grant Customer Access			4
Devices	Master Bedroom 6 Fo	d Touch Switch > 6 Fold Touch SW > Digita	al Input > Digital Input 4		
Cynamic Portans     Synamic Portans     Marco - Actuator 10-output module 10A	- 6 Fold Touch SW	Function	Switch	-	4
Master Bedroom 6 Fold Touch Switch		Value to be transmitted if Switch is OFF	Scene		
Eleberor NXIR KNX BAOS 830	General Settings     Buttons	Scene Value	1	÷	
	Button 1	Value to be transmitted if Switch is ON	Scene	-	
	Button 2	Scene Value	2	:	
	Button 3 Button 4 Button 5 Button 6 — Digital Input Digital Input 1 Digital Input 2 Digital Input 3 Digital Input 3	Block Digital Input	C Disable 🚫 Enoble		
	Sounder     Indication				
	Group Objects Channels	Parameters			

### Digital input sensor: fig-3

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evices =				A	Ø ×
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Devices	* Master Bedroom 6 Fol	d Touch Switch > 6 Fold Touch SW > Digit	al Input > Digital Input 1		
Dynamic Folders		-			
Actuator 10 output module 10A	= 6 Fold Touch SW	Function	Sensor		
Master Bedroom 6 Fold Touch Switch	General Settings	Value to be Trasmitted if Sensor is NC	No Action	-	
Lebenor NXIR KINX BAOS 830	and a contract of the second	Value to be Trasmitted if Sensor is NO	1	*	
	= Buttons				
	Button 1	Block Digital Input	🗢 Disable 🔵 Enable		
	Button 2				
	Button 3				
	Button 4				
	Button 5				
	Button 6				
	- Digital Input				
	Digital Input 1				
	Digital input 2				
	Digital Input 3				
	Digital input 4				
	+ Sounder				
	<ul> <li>Indication</li> </ul>				

## Digital Input Sensor: fig-4



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Devices × Group Addresses						
Devices *				÷	đ ×	B.
🕂 Add Charnels I 🐐 🗙 Delete  🛨 Countral	🕤 💽 Help 🌛 Highlight Changes Dr	fault Parameters Grant Customer Access				2
D Devices	* Master Bedroom 6 Fold T	ouch Switch > 6 Fold Touch SW > Digita	al Input >			
Dynamic Folders Image: Actuator 10-output module 10A	= 6 Fold Touch SW	Function	Switch	*		*
Master Bedroom & Fold Touch Switch     Lebenor NXIR KNX BAOS 880	General Settings     Buttons	Value to be transmitted if Switch is DFF Value to be transmitted if Switch is ON	0	-		
	Burtion 1 Burtion 2 Burtion 3 Burtion 4 Burtion 5 Burtion 6 C Digital Input 1 Digital Input 1 Digital Input 2 Digital Input 3 Digital Input 4 4 Sounder 4 Indication	Block Digital Input	O Disable C Erable			
00-24-6D-00-84-A2 (192.168.0.179: 13 New	and the second se	Peremieters		Last used workspace		CAPS

### Digital Input switching : fig-5

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levices 🛛 🛪 Group Aldresses					
Devices *					▲ ₫
🖡 Add Channels i 🔹 🗶 Delete 🔮 Charling 🕒	🕘 Help 🤌 Highlight Changes Def	ault Parameters Grant Customer Acc	ess		
Devices	Actuator 10-output module	e 10A > Output 3-4 : Scenes			
Contraction 10-output module 10A	General	Position for scene 1	Low position		°
Master Bedroom & Fold Touch Switch     Lebenor NXIR KNX BAOS 830	ETS Version	Position for scene 2	Figh position		
Lebendr NXIK KIKX SAUS 850	Output 1. Timer and Automatic	Position for scene 3	Not involved	*	
	Comport Comerciant Automatic	Position for scene 4	Not involved		
	Output 1 Scenes	Position for scene 5	Not involved	*	
	Output 1: Special status	Positian for scene 6	Not involved	1 <b>a</b> r	
	Output 2 : Timer and Automati	Position for scene 7	Not involved		
	Output 2 : Scenes	Position for scene 8	Not involved	*	
	ougura , acorea	Position for scene 9	Not involved		
	Output 2 : Special status	Position for scene 10	Not involved		
	Output 3-4 : Time delay at Alar	Position for scene 11	Not involved	•	
	Output 3-4 : Scenes	Position for scene 12	Not involved		
	A LAND A LAND	Position for scene 13	Not involved	-	
	Output 3-4 : Special status	Position for scene 14	Not involved	-	
	Output 5 : Timer and Automati	Position for scene 15	Not involved	-	
	Output 5 : Scenes	Position for scene 16	Not involved	· •	
	Output 5 : Special status	Position for scene 17	Not involved	-	
		Position for scene 18	Not involved		
	Output 6 : Timer and Automati	Position for scene 19	Not involved	175	
	Output 6 : Scenes	Position for scene 20	Not involved	-	2

#### Curtain Scene: fig-6



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Group Addresses 🔻									^ Ø 🕺
🖌 Add Group Addresses 🕒 🗶 Defelo	🗧 Decentual 🕒 🕕 Info 👻 🐔 Reset 👘 I	Universit + ann Print				Ţ	5mmc)	6	م
Group Addresses	Object	Device *	Data Type	Description	Ser	d C	R W	TU	Product
Dynamic Folders	> 0/0/1 AC ON								1
0 tast	A ACON - DPT 1	Lebenor NXIR KNK BAC/5 830	1-bit, switch	AC ON	5	τ.	w	T -	KNX BAOS 830
	1: Button 1 - Switching	Master Bedroom & Fold Touch Switzh	switch	AC ON	5	C.		1 -	6 Fold Touch Switch
· 图 0/0 lebenor	0/0/2 AC OFF								
20/0/1 AC ON	2. AC OFF - DPT 1	Lebenor NXIR KNX BAOS 830	1-bit switch	ACIDEF	5	100	w	τ	KNX BAOS 830
B 0/0/2 AC OFF	54: Digital Input 1 - Switching	Master Bedroom 6 Fold Touch Switch	switch	AC OFF	5	1			6 Fold Touch Switch
B 0/0/3 CURTAIN MOVE	8: Button 2 - Switching	Master Bedroom & Fold Touch Switch	switch	AC OFF	5	c -			6 Fold Touch Switch
B 0/0/4 CURTAIN STOP	A 0/0/3 CURTAIN MOVE								
RE 0/0/5 SCENE	10. Output 3-4 - Up/Down	Actuator 10-output module 10A		CURTAIN MOVE		100	e w.	- 30	10-output module 10A
		ment Master Bedroom 6 Fold Touch Switch	up/down	CURTAIN MOVE	5				6 Fold Touch Switch
8 0/0/6 LIGHT-01 ON/OFF	0/0/4 CURTAIN STOP								
R 0/0/7 LIGHT 01 ON/OFF STATUS	11: Output 3-4 - Slat angle/Stop	Actuator 10-output module 10A		CURTAIN STOP	5	C 8	ŵ.	- 31	10-output module 10A
80 0/0/8 LIGHT-02 ON/OFF	15: Button 3 - Curtain Stop	Master Bedroom 6 Fold Touch Switch	switch	CURTAIN STOP	5				6 Fold Touch Switch
8 0/0/9 LIGHT-02 ON/OFF STATUS	0/0/5 SCENE			Contra to the second					a construction and
	a Output 2 - Scene	Actuator 10-output module 10A		SCENE	5	C 1	. w 3	0	10-output module 10A
	al 3: Output 1 - Scene	Actuator 10-output module 10A		SCENE	5	0.1			10-output module 10A
	2 43: Scene - Scene Extension	Master Bedroom & Fold Touch Switch	scene control	SCENE	5	C 4			6 Fold Touch Switch
	15: Output 3-4 - Scene	Actuator 10-output module 10A		SCENE					10-output module 10A
	OUD/6 LIGHT-01 ON/OFF								
	55: Digital Input 2 - Switching	Master Bedroom 6 Fold Touch Switch	switch	LIGHT-01 ON/OFF	5	c .		τ	6 Fold Touch Switch
	2 0 Output 1 - ON/OFF	Actuator 10-output module 10A	ann	UGHT-01 ON/OFF	5	C 1			10-output module 10A
	0/0/7 LIGHT-01 ON/OFF STATUS	The second s				100	2. 11	10	ALCOND. INC. CONT. 1983
	63: Digital Input 2 - Switch Status	Master Bedroom 6 Fold Touch Switch	switch	LIGHT-01 ON/OFF STATUS	<ul> <li>C</li> </ul>	0	w	T -	6 Fold Touch Switch
	4: Output 1 - Status indication	Actuator 10-output module 10A		LIGHT-01 ON/OFF STATUS	5				10-output module 10A
	0/0/8 LIGHT-02 ON/OFF	and a more particular to charge an unit state to charge.		Contraction and and and and	0.762				and the second second
	56: Digital Input 3 - Switching	Master Bedroom 6 Fold Touch Switch	switch	UGHT-02 ON/OFF	¢	ē.		т	6 Fold Touch Switch
	5. Output 2 - ON/OFF	Actuator 10-output module 10A	1210210	LIGHT-02 ON/OFF	5				10-output module 10A
	O/0/9 LIGHT-02 ON/OFF STATUS	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		Constraint State and					A CONTRACTOR OF
	54: Digital Input 3 - Switch Status	Master Bedroom 6 Fold Touch Switch	switch	LIGHT-02 ON/OFF STATUS	5	с -	w	T	6 Fold Touch Switch
	2 9. Output 2 - Status indication	Actuator 10-output module 10A		LIGHT-02 ON/OFF STATUS					10-output module 10A

Linking: fig-7

## **Thank You**

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