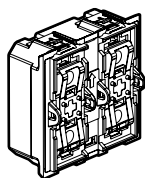


002680



H4651

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1. EXAMPLE OF USE

Meeting rooms/office suites



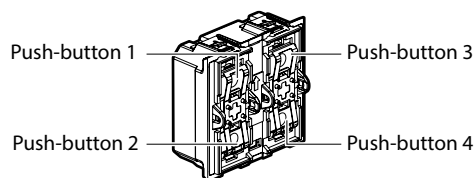
2. DESCRIPTION

ON/OFF control of luminaires with a 4-channel KNX control unit:

On/Off operation of actuator outputs 1 and 2 (control unit buttons 1 and 2 in switch mode).

On/Off operation of actuator output 3 (control unit button 3 in Toggle mode).

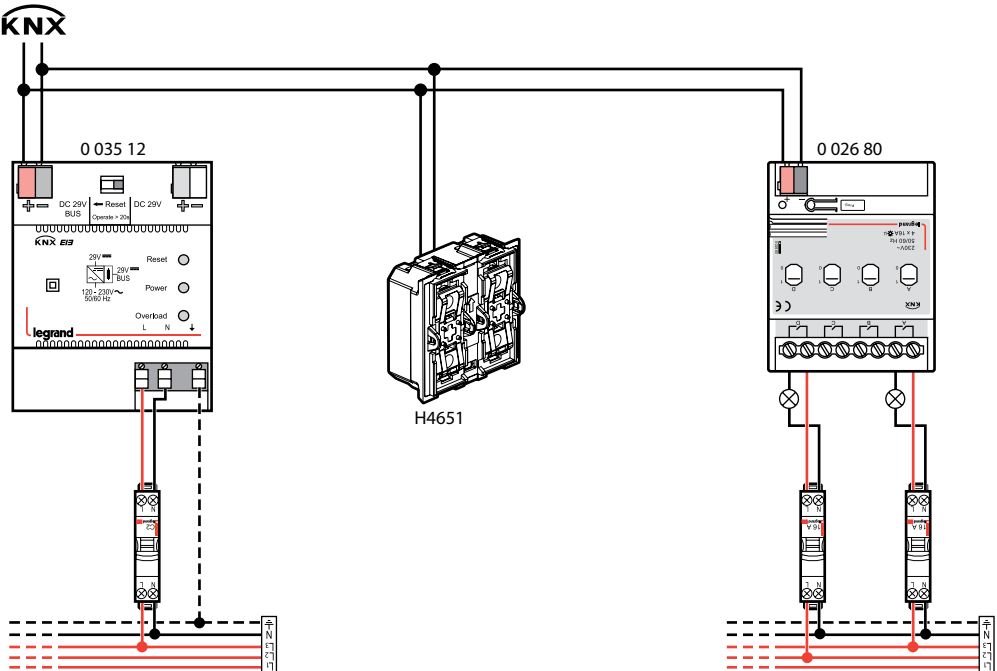
On/Off operation of actuator output 4 (control unit button 4 in Toggle mode).



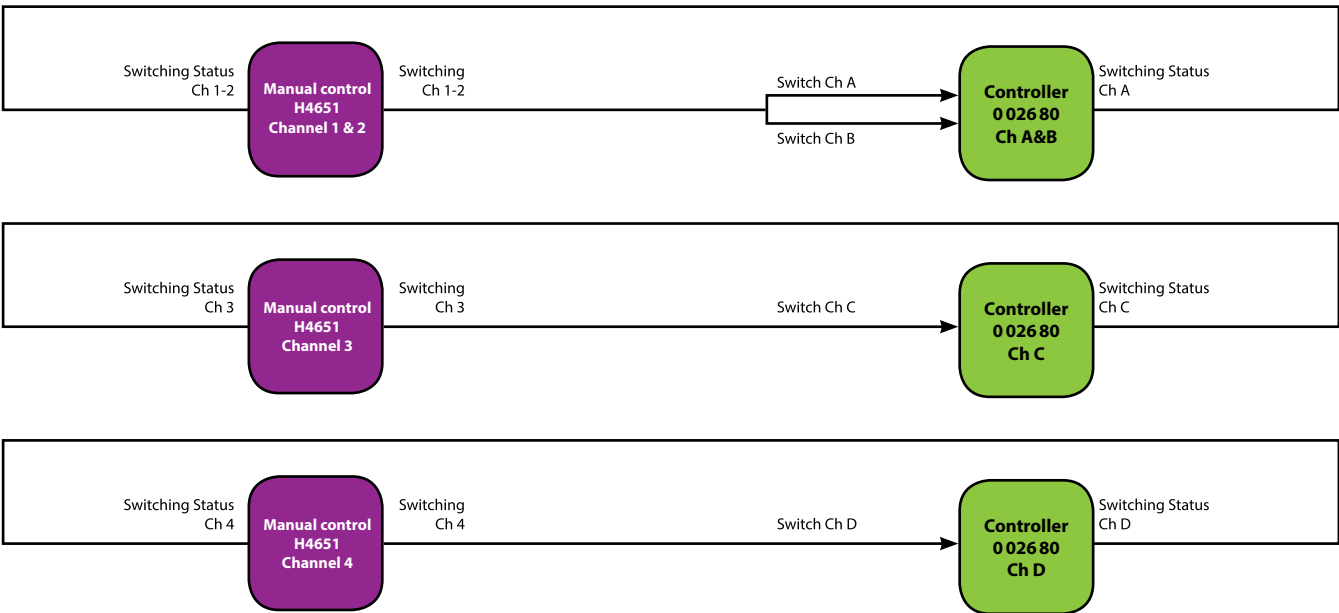
Note:

It is very easy to change combinations or types of control unit by changing the settings on Cat. No. H4651.

3. WIRING DIAGRAM



4. KNX WIRING DIAGRAM



5. KNX PROJECT

This project **UC013_Switching ON/OFF.proj** is available on www.legrandoc.com and can be imported into ETS.

6. SETTINGS FOR H4651 PB - ADDR: 1.1.1

■ 6.1 LED configuration

Participant 1.1.1 H4651

General
Channel 1-2
Channel 3-4
Led 1 configuration
Led 2 configuration
Led 3 configuration
Led 4 configuration

Leds configuration: Config independently

Normal intensity: 70%

Use additional lico intensity: No

Use led 1: Yes

Mode 1: --- Mode 1 ---

Off status: --- Off status ---

Led color: Green

Led behaviour: On

Off status: --- Off status ---

Led color: Blue

Led behaviour: On

■ 6.2 Push-button configuration

Participant 1.1.1 H4651

General
Channel 1-2
Channel 3-4
Led 1 configuration
Led 2 configuration
Led 3 configuration
Led 4 configuration

Usage type: use jointly

Channel 1-2 function: Switching

Channel 1 - Short push reaction: On

Channel 2 - Short push reaction: Off

Usage type: use separately

Channel 3

Channel 3 function: Switching

SubFunction: Short / Long

Short push reaction: Toggle

Long push reaction: No reaction

Channel 4

Channel 4 function: Switching

SubFunction: Short / Long

Short push reaction: Toggle

Long push reaction: No reaction

7. SETTINGS FOR ACTUATOR 0026 80 - ADDR: 1.1.2

■ 7.1 General settings

Participant 1.1.2 002680

All General
Channel A
Channel B
Channel C
Channel D

Operation delay after recovery of bus voltage(1...250s): 1

Sending cycle of "In operation" telegram (1...240s, 0=inactive): 0

Enable safety priority function: disable

1's switch on / 0's switch off: 1's switch on / 0's switch off

switch on=contact close; switch off=contact open

■ 7.2 Output settings

Participant 1.1.2 002680

All General
Channel A
Channel B
Channel C
Channel D

Channel A work mode is: Switch actuator

If bus voltage recovery, contact is: unchanged

If bus voltage fa(contact is): unchanged

Object value of "telegram switch" after bus voltage recovery: not write

Set the reply mode of switch status for channel A: transmit after change

Object value of switch status: Discontact open / Loscontact close

Contact position if lico value is "1" ("0" is opposite of "1" if changed): close

Special functions of switch actuator mode for channel A is: inactive

8. KNX LINKS

Objet	Participant	E...	ACK (P...	Types...	...	R	W	T	U
0/0/1 BUREAU 1/ CMD 1.1.1/ BP1 & BP2									
18: Output B - Switch, B	1.1.2 002680	S	Non		C	-	W	-	-
2: Channel 1-2 - Switching	1.1.1 H4651	S	Non	switch	C	-	W	T	-
4: Output A - Switch, A	1.1.2 002680	S	Non		C	-	W	-	-
0/0/2 BUREAU 1/ CMD 1.1.1/ BP3									
16: Channel 3 - Switching	1.1.1 H4651	S	Non	switch	C	-	W	T	-
32: Output C - Switch, C	1.1.2 002680	S	Non		C	-	W	-	-
0/0/3 BUREAU 1/ CMD 1.1.1/ BP4									
23: Channel 4 - Switching	1.1.1 H4651	S	Non	switch	C	-	W	T	-
46: Output D - Switch, D	1.1.2 002680	S	Non		C	-	W	-	-
0/3/0 BUREAU 1/ NRC 1.1.2/ Ch1									
3: Channel 1-2 - Switching Status	1.1.1 H4651	S	Non	switch	C	-	W	-	-
3: Output A - send the switch status, A	1.1.2 002680	S	Non		C	-	-	T	-
0/3/2 BUREAU 1/ NRC 1.1.2/ Ch3									
17: Channel 3 - Switching Status	1.1.1 H4651	S	Non	switch	C	-	W	-	-
31: Output C - send the switch status, C	1.1.2 002680	S	Non		C	-	-	T	-

9. MONITORING

Adresse de Groupe:		Data point type:	Binut (jusqu'à 6 bit):		Valeur: 0		☐ Envoyer cycliquement	Délai (sec): 0		Ecriture	Lu	Valeur reçue:	
#	Heure	Service	Indicateurs	Pr...	Source adr	Source	Dest adr	Dest	Rout	Type	DPT	Info	
1	2016-12-20 15:07:57.347 du bus		Low	1.1.1	1.1.1 H4651	0/0/1	BUREAU 1/ CMD 1.1.1/ BP1 & BP2		5	Ecrire	1.001 switch	\$01 Marche	
2	2016-12-20 15:07:57.574 du bus		Low	1.1.2	1.1.2 002680	0/3/0	BUREAU 1/ NRC 1.1.2/ Ch1		6	Ecrire	1.001 switch	\$01 Marche	
3	2016-12-20 15:08:02.516 du bus		Low	1.1.1	1.1.1 H4651	0/0/1	BUREAU 1/ CMD 1.1.1/ BP1 & BP2		5	Ecrire	1.001 switch	\$00 Arrêt	
4	2016-12-20 15:08:02.540 du bus		Low	1.1.2	1.1.2 002680	0/3/0	BUREAU 1/ NRC 1.1.2/ Ch1		6	Ecrire	1.001 switch	\$00 Arrêt	
5	2016-12-20 15:08:05.681 du bus		Low	1.1.1	1.1.1 H4651	0/0/2	BUREAU 1/ CMD 1.1.1/ BP3		5	Ecrire	1.001 switch	\$01 Marche	
6	2016-12-20 15:08:05.707 du bus		Low	1.1.2	1.1.2 002680	0/3/2	BUREAU 1/ NRC 1.1.2/ Ch3		6	Ecrire	1.001 switch	\$01 Marche	
7	2016-12-20 15:08:08.920 du bus		Low	1.1.1	1.1.1 H4651	0/0/3	BUREAU 1/ CMD 1.1.1/ BP4		5	Ecrire	1.001 switch	\$01 Marche	
8	2016-12-20 15:08:08.946 du bus		Low	1.1.2	1.1.2 002680	0/3/3	BUREAU 1/ NRC 1.1.2/ Ch4		6	Ecrire	1.001 switch	\$01 Marche	