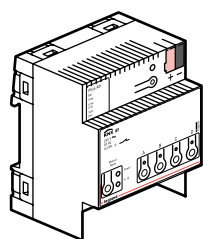
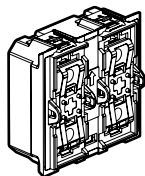


4-channel control unit/4-output actuator/Sensor Manual ON/auto OFF operation Control unit status and brightness control

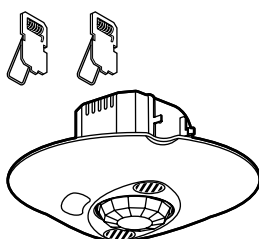
Cat. No(s): H4651
002661
048918



0 026 61



H4651



0 489 18

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1. EXAMPLE OF USE

Meeting rooms/office suites



2. DESCRIPTION

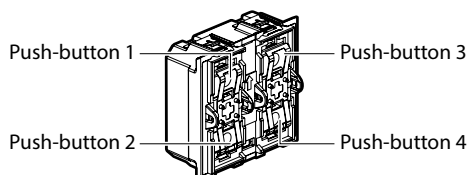
ON/OFF control of luminaires with a 4-channel KNX control unit.

Manual ON/Auto OFF operation of actuator outputs 1 and 2 (control unit button 1):

- Pressing button 1 on Cat. No. H4651 controls the lighting and activates regulation.
- Regulation: if there is sufficient natural light, the luminaires will switch off (after around 10 minutes).
- The luminaires will switch off automatically after people leave (+ end of sensor time delay).
- Luminaires can also be switched off by pressing button 2 on Cat. No. H4651 (OFF override).

Manual ON/Auto OFF operation of actuator outputs 3 and 4 (control unit button 3):

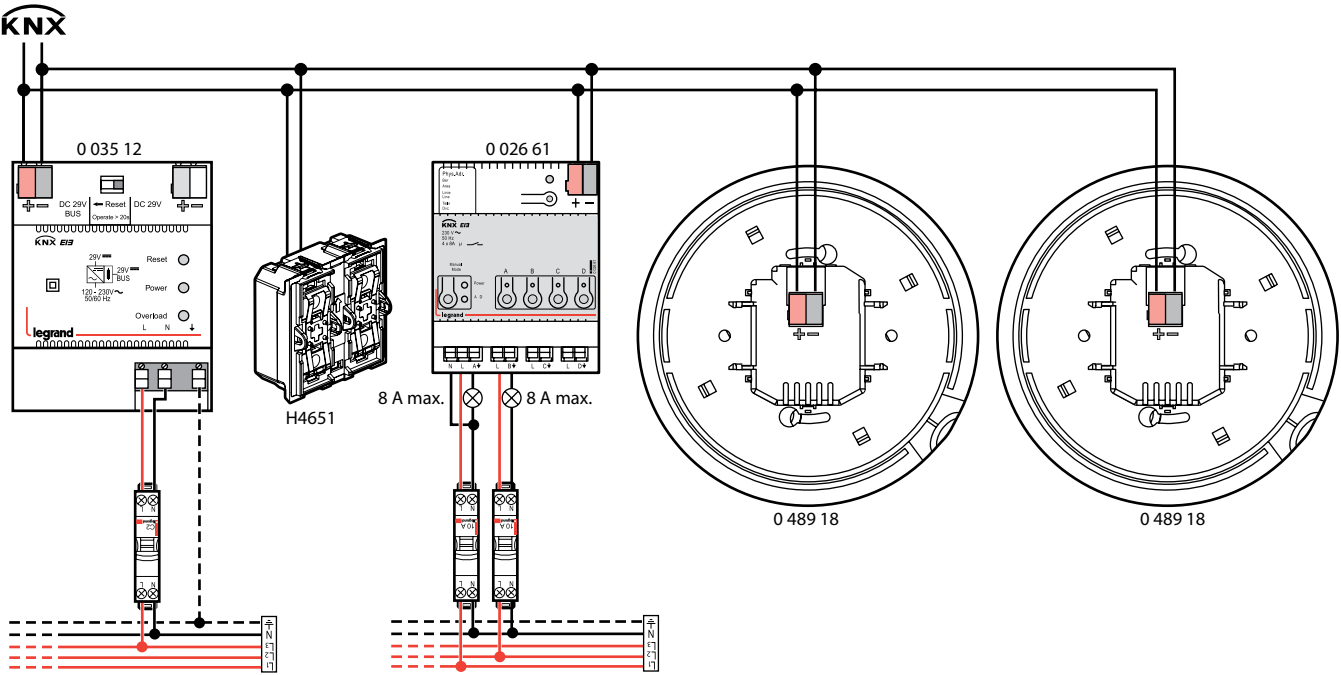
- Pressing button 3 on Cat. No. H4651 controls the lighting and activates regulation.
- Regulation: if there is sufficient natural light, the luminaires will switch off (after around 10 minutes).
- The luminaires will switch off automatically after people leave (+ end of sensor time delay).
- Luminaires can also be switched off by pressing button 4 on Cat. No. H4651 (OFF override).



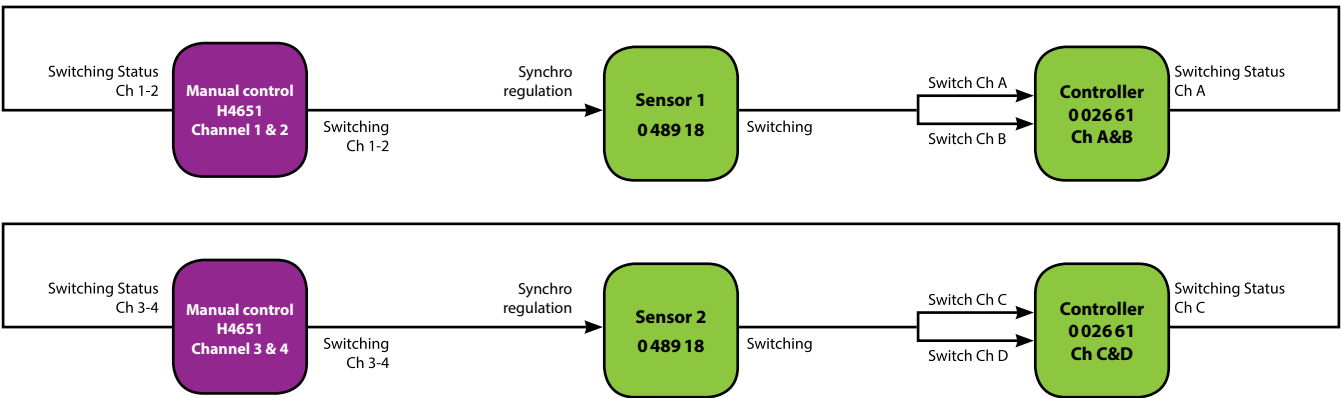
Note:

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 **UC014_Manuel ON/Auto 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	Load configuration	Config independently
Channel 1-2	Normal intensity	70%
Channel 3-4	Use additional lico intensity	No

Participant 1.1.1 H4651

General	Use led 1	Yes
Channel 1-2	Mode 1	Green
Channel 3-4	Mode 2	Blue
LED 1 configuration	LED behaviour	On
LED 2 configuration	LED behaviour	On
LED 3 configuration	LED behaviour	On
LED 4 configuration	LED behaviour	On

■ 6.2 Push-button configuration

Participant 1.1.1 H4651

General	Usage type	use jointly
Channel 1-2	Channel 1-2 function	switching
Channel 3-4	Channel 3-4 function	switching
LED 1 configuration	Channel 1 - Short push reaction	On
LED 2 configuration	Channel 2 - Short push reaction	Off
LED 3 configuration	Channel 3 - Short push reaction	On
LED 4 configuration	Channel 4 - Short push reaction	Off
LED 5 configuration	Add enable object	No
LED 6 configuration	Invert control information logic	No

7. SETTINGS FOR ACTUATOR 002661 - ADDR: 1.1.2

■ 7.1 General settings

Participant 1.1.2 002661

General	Configuration	identical for all channels
Channel 1-2	On time during direct mode	15 minutes
Channel 3-4	8-bit scene control	No
Channel 5-6	Night mode	No
Channel 7-8	Status objects switch	Yes
Channel 9-10	Transmission of status objects	on change in status

■ 7.2 Output settings

Participant 1.1.2 002661

General	Operating mode	Normal mode
Channel 1-2	Logic operation	no logic operation
Channel 3-4	On delay	disabled
Channel 5-6	Off delay	disabled
Channel 7-8	Output state at mains voltage recovery	as before voltage failure

8. SETTINGS FOR SENSORS 1.1.3 & 1.1.4

Participant 1.1.3 048918

General	Main function	Master : Light level & detection
Load	Mode	Manual ON/Auto OFF
Light level config.	Active regulation	Yes
Detection config.	Reaction speed	Normal
Auxiliary output	Action on "synthetic regulation" object on start	On + Start regulation
Advanced	Action on "synthetic regulation" object on stop	Stop regulation + OFF
Virtual keypad	Lock scene	No
Commissioning Tool		

Participant 1.1.3 048918

General	Use dimming load	No
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Participant 1.1.3 048918

General	Setpoint	300
Light level config.	Use external daylight cell	No
Detection config.	Send condition	On request only
Auxiliary output		
Advanced		

Participant 1.1.3 048918

General	Use detection led	Yes
Load	Time delay : hours	0
Light level config.	Time delay : minutes	15
Detection config.	Time delay : seconds	0
Auxiliary output	Transfer In Occupancy to "Occupancy status"	No
Advanced	Send condition	On change
Virtual keypad	Max. number of messages per minute	1
Commissioning Tool		

Participant 1.1.3 048918

General	US sensitivity	High
Load	IR sensitivity	Very high
Light level config.	Initial scheme	POLARIS US
Detection config.	Maintain scheme	POLARIS US
Auxiliary output		
Advanced		
Virtual keypad		
Commissioning Tool		

4-channel control unit/4-output actuator/Sensor

Manual ON/auto OFF operation

Control unit status and brightness control

Cat. No(s): H4651
002661
048918

9. KNX LINKS

Adresses de groupe	Objet	Participant	E...	ACK (P...	Types...	...	R	W	T	U
0/0/1 BUREAU 1/ D 1.1.3/ DETECTEUR 1	1: Switching - Switching	1.1.3 048918	S	Non	switch	C	-	-	T	-
3: Switch, Channel A - On / Off	1.1.2 002661	S	Non		C	R	W	T	-	-
7: Switch, Channel B - On / Off	1.1.2 002661	S	Non		C	R	W	T	-	-
0/0/2 BUREAU 2/ D 1.1.4/ DETECTEUR 2	1: Switching - Switching	1.1.4 048918	S	Non	switch	C	-	-	T	-
11: Switch, Channel C - On / Off	1.1.2 002661	S	Non		C	R	W	T	-	-
15: Switch, Channel D - On / Off	1.1.2 002661	S	Non		C	R	W	T	-	-
0/5/1 BUREAU 1/ CMD 1.1.1/ BP1 & BP2	13: Synchro regulation - Synchro regulation	1.1.3 048918	S	Non	start/stop	C	-	W	-	-
2: Channel 1-2 - Switching	1.1.1 H4651	S	Non		C	-	W	T	-	-
0/5/2 BUREAU 2/ CMD 1.1.1/ BP3 & BP4	13: Synchro regulation - Synchro regulation	1.1.4 048918	S	Non	start/stop	C	-	W	-	-
16: Channel 3-4 - Switching	1.1.1 H4651	S	Non		C	-	W	T	-	-
0/3/0 BUREAU 1/ NRC 1.1.2/ Ch1	2: Switching Status - Switching Status	1.1.3 048918	S	Non	switch	C	-	W	T	U
3: Channel 1-2 - Switching Status	1.1.1 H4651	S	Non		C	-	W	-	-	-
5: Status switch, Channel A - On / Off	1.1.2 002661	S	Non		C	R	-	T	-	-
0/3/2 BUREAU 2/ NRC 1.1.2/ Ch3	13: Status switch, Channel C - On / Off	1.1.2 002661	S	Non		C	R	-	T	-
17: Channel 3-4 - Switching Status	1.1.1 H4651	S	Non		C	-	W	-	-	-
2: Switching Status - Switching Status	1.1.4 048918	S	Non		C	-	W	T	U	-

10. MONITORING

Adresse de Groupe:		Data point type: Brut (jusqu'à 6 bit)		Valeur: 0		Envoyer cycliquement		Délai (sec): 0		Ecrire		Lire		Valeur reçue	
#	Heure	Service	Indicateurs	Pr...	Source adr	Source	Dest adr	Dest	Rout	Type	DPT	Info			
Filtre	Filtre	Filtre	Filtre	Filtre	Filtre	Filtre	Filtre	BUREAU	Filtre	Filtre	Filtre	Filtre			
2	2016-12-21 09:18:02.116 du bus			Low	1.1.1	1.1.1 H4651	0/5/1	BUREAU 1/ CMD 1.1.1/ BP1 & BP2	5	Ecrire	1* 1-bit	\$01			
3	2016-12-21 09:18:02.210 du bus			Low	1.1.3	1.1.3 048918	0/0/1	BUREAU 1/ D 1.1.3/ DETECTEUR 1	5	Ecrire	1.001 switch	\$01 Marche			
4	2016-12-21 09:18:02.257 du bus			Low	1.1.2	1.1.2 002661	0/3/0	BUREAU 1/ NRC 1.1.2/ Ch1	6	Ecrire	1.001 switch	\$01 Marche			
7	2016-12-21 09:18:46.601 du bus			Low	1.1.1	1.1.1 H4651	0/5/2	BUREAU 2/ CMD 1.1.1/ BP3 & BP4	5	Ecrire	1* 1-bit	\$01			
8	2016-12-21 09:18:46.757 du bus			Low	1.1.4	1.1.4 048918	0/0/2	BUREAU 2/ D 1.1.4/ DETECTEUR 2	6	Ecrire	1.001 switch	\$01 Marche			
9	2016-12-21 09:18:46.804 du bus			Low	1.1.2	1.1.2 002661	0/3/2	BUREAU 2/ NRC 1.1.2/ Ch3	6	Ecrire	1.001 switch	\$01 Marche			
11	2016-12-21 09:20:03.888 du bus			Low	1.1.4	1.1.4 048918	0/0/2	BUREAU 2/ D 1.1.4/ DETECTEUR 2	6	Ecrire	1.001 switch	\$00 Arrêt			
12	2016-12-21 09:20:03.938 du bus			Low	1.1.2	1.1.2 002661	0/3/2	BUREAU 2/ NRC 1.1.2/ Ch3	6	Ecrire	1.001 switch	\$00 Arrêt			
13	2016-12-21 09:20:55.088 du bus			Low	1.1.3	1.1.3 048918	0/0/1	BUREAU 1/ D 1.1.3/ DETECTEUR 1	5	Ecrire	1.001 switch	\$00 Arrêt			
14	2016-12-21 09:20:55.140 du bus			Low	1.1.2	1.1.2 002661	0/3/0	BUREAU 1/ NRC 1.1.2/ Ch1	6	Ecrire	1.001 switch	\$00 Arrêt			
16	2016-12-21 09:21:26.356 du bus			Low	1.1.1	1.1.1 H4651	0/5/1	BUREAU 1/ CMD 1.1.1/ BP1 & BP2	5	Ecrire	1* 1-bit	\$01			
17	2016-12-21 09:21:26.466 du bus			Low	1.1.3	1.1.3 048918	0/0/1	BUREAU 1/ D 1.1.3/ DETECTEUR 1	5	Ecrire	1.001 switch	\$01 Marche			
18	2016-12-21 09:21:26.518 du bus			Low	1.1.2	1.1.2 002661	0/3/0	BUREAU 1/ NRC 1.1.2/ Ch1	6	Ecrire	1.001 switch	\$01 Marche			
19	2016-12-21 09:21:30.225 du bus			Low	1.1.1	1.1.1 H4651	0/5/1	BUREAU 1/ CMD 1.1.1/ BP1 & BP2	5	Ecrire	1* 1-bit	\$00			
20	2016-12-21 09:21:30.271 du bus			Low	1.1.3	1.1.3 048918	0/0/1	BUREAU 1/ D 1.1.3/ DETECTEUR 1	5	Ecrire	1.001 switch	\$00 Arrêt			
21	2016-12-21 09:21:30.320 du bus			Low	1.1.2	1.1.2 002661	0/3/0	BUREAU 1/ NRC 1.1.2/ Ch1	6	Ecrire	1.001 switch	\$00 Arrêt			
22	2016-12-21 09:21:31.693 du bus			Low	1.1.1	1.1.1 H4651	0/5/2	BUREAU 2/ CMD 1.1.1/ BP3 & BP4	5	Ecrire	1* 1-bit	\$01			
23	2016-12-21 09:21:31.789 du bus			Low	1.1.4	1.1.4 048918	0/0/2	BUREAU 2/ D 1.1.4/ DETECTEUR 2	6	Ecrire	1.001 switch	\$01 Marche			
24	2016-12-21 09:21:31.841 du bus			Low	1.1.2	1.1.2 002661	0/3/2	BUREAU 2/ NRC 1.1.2/ Ch3	6	Ecrire	1.001 switch	\$01 Marche			
25	2016-12-21 09:21:33.862 du bus			Low	1.1.1	1.1.1 H4651	0/5/2	BUREAU 2/ CMD 1.1.1/ BP3 & BP4	5	Ecrire	1* 1-bit	\$00			
26	2016-12-21 09:21:33.985 du bus			Low	1.1.4	1.1.4 048918	0/0/2	BUREAU 2/ D 1.1.4/ DETECTEUR 2	6	Ecrire	1.001 switch	\$00 Arrêt			
27	2016-12-21 09:21:34.038 du bus			Low	1.1.2	1.1.2 002661	0/3/2	BUREAU 2/ NRC 1.1.2/ Ch3	6	Ecrire	1.001 switch	\$00 Arrêt			

Note:

Monitoring incorporates a 1-minute time delay.