luxCONTROL

basicDIM ILD PROGRAMMER

TRIDONIC

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1. Operating the basicDIM ILD Programmer

NOTICE

Some functions of the basicDIM ILD Programmer can also be used with other Tridonic sensors. A summary table can be found at the end of this document under "Operating basicDIM ILD with other sensors".

basicDIM ILD Programmer can be used to set parameters for the basicDIM ILD module. The following parameters are available:

1. Operating the basicDIM ILD Programmer

1.1. Basic functions

Icon	Designation	Description
	ON	Switch luminaires on
	OFF	Switch luminaires off
	Dim up	Increase current dimming level
	Dim down	Decrease current dimming level
	Automatic mode	Change to automatic mode Dimming is started
	Set current light level	Store the brightness level currently measured by the sensor as target value for constant light control

1. Operating the basicDIM ILD Programmer

1.2. Push to make switch functions

The abbreviation PTM stands for “push to make switch”.

Icon	Designation	Description
	PTM Set ON	Enable storage of target level via push to make switch input double clicking the push to make switch at the push to make switch input allows storing the brightness level currently measured by the sensor as target level for constant light control
	PTM Set OFF	Disable storage of target level via push to make switch input storing the target level via push to make switch input is not possible

1.3. Constant light control settings

NOTICE

The light levels indicated are based on a standard room situation and may differ from the levels actually measured in the task area.

_ Try all three light levels and select the one most suitable!

Icon	Designation	Description
	Light level low	Set ambient light control to a level of approx. 150 lx
	Light level middle	Set ambient light control to a level of approx. 300 lx
	Light level high	Set ambient light control to a level of approx. 500 lx

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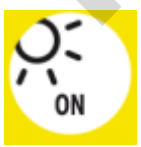
1.4. Offset settings

Use the Offset settings to specify and define in detail differences in brightness between the two channels.

Icon	Designation	Description
	Offset Value 0 %	Set the difference in brightness between channel 2 and channel 1 to 0 %
	Offset Value -30 %	Set the difference in brightness between channel 2 and channel 1 to -30 %
	Offset Value -50 %	Set the difference in brightness between channel 2 and channel 1 to -50 %
	Offset Mode Converging	Reduce the difference in brightness between channel 2 and channel 1 at increased or reduced dimming level. For example: at an offset value of -30 %, one channel's dimming level is 30 % lower than the other's (e.g. channel 2: 40 %; channel 1: 70 %). Despite this, when dimmed up, both channels will reach the dimming level of 100 % at the same time.
	Offset Mode Fixed	Maintain the difference in brightness between channel 2 and channel 1 at increased or reduced dimming level. For example: at an offset value of -30 %, one channel's dimming level is 30 % lower than the other's (e.g. channel 2: 40 %; channel 1: 70 %). When dimmed up, channel 2 will remain at a level of 70 % as soon as channel 1 has reached the dimming level of 100 %.

1.5. Bright Out settings

The Bright Out function defines how the ambient light control system will respond to additional illumination by sunlight or other light sources.

Icon	Designation	Description
	Bright Out ON	Switch on Bright Out: if the measured light level exceeds 150 % of the target level for more than 10 minutes, the light is switched off. If the measured light level falls below 100% of the target level, the light is switched back on again.

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	Bright Out OFF	Switch off Bright Out: The light remains switched on at all times, irrespective of the light level measured.

1.6. Presence detection profile settings

The abbreviation P.I.R. stands for “passive infrared”. This function is used to control presence detection.

Icon	Designation	Description
	P.I.R. inactive	Disable presence detection Run-on time is automatically set to "infinite"
	P.I.R. off only	Presence detection responds only to absence light must be switched on manually (push to make switch, remote control) if no persons are detected, light is switched off automatically Run-on time is automatically set to 20 minutes
	P.I.R. active	Enable presence detection light is switched on and off automatically based on the presence/absence of a person Run-on time is automatically set to 20 minutes
	Time delay 1min.	Set run-on time to 1 minute 1 minute after the last presence was detected, light is dimmed to Sec. Level
	Time delay 10min.	Set run-on time to 10 minutes 10 minutes after the last presence was detected, light is dimmed to Sec. Level
	Time delay 20min.	Set run-on time to 20 minutes 20 minutes after the last presence was detected, light is dimmed to Sec. Level

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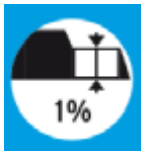
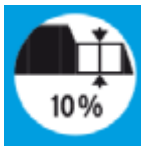
	If vacant 0min.	Set switch-off delay to 0 minutes light is switched off immediately after run-on time has expired
	If vacant 1min.	Set switch-off delay to 1 minute light is switched off 1 minute after run-on time has expired
	If vacant 30min.	Set switch-off delay to 30 minute light is switched off 30 minutes after run-on time has expired
	If vacant continuous	Set switch-off delay to “infinite” (neverOFF) light is not switched off after run-on time has expired
	Sec. Level 1%	Set the absence level to 1 % = dimming level to which the light is dimmed after the run-on time has expired; applies only if “if vacant” 0min
	Sec. Level 10%	Set the absence level to 10 % = dimming level to which the light is dimmed after the run-on time has expired; applies only if “if vacant” 0min
	Sec. Level 30%	Set the absence level to 30 % = dimming level to which the light is dimmed after the run-on time has expired; applies only if “if vacant” 0min
	Sec. Level 50%	Set the absence level to 50 % = dimming level to which the light is dimmed after the run-on time has expired; applies only if “if vacant” 0min

1. Operating the basicDIM ILD Programmer

1.7. Interface operating mode settings

Icon	Designation	Description
	DALI	Select DALI Broadcast as interface operating mode
	DSI	Select DSI as interface operating mode

1.8. Return of power settings

Icon	Designation	Description
	Power Up ON	Return of power switched on luminaire is switched on again after a mains break
	Power Up OFF	Return of power switched off luminaire is not switched on again after a mains break

2. Operating basicDIM ILD with other sensors

2.1. Basic functions

Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	ON	✅	✅	✅	✅
	OFF	✅	✅	✅	✅
	Dim up	✅	✅	✅	✅
	Dim down	✅	✅	✅	✅
	Automatic mode	✅	✅	✅	✅
	Set current light level	✅	✅	✅	✅

2. Operating basicDIM ILD with other sensors

2.2. Push to make switch functions

The abbreviation PTM stands for “push to make switch”.

Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	PTM Set ON		✅		✅
	PTM Set OFF		✅		✅

2.3. Constant light control settings

Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	Light level low		✅		✅
	Light level middle		✅		✅
	Light level high		✅		✅

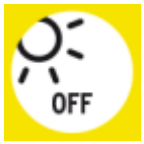
2. Operating basicDIM ILD with other sensors

2.4. Offset settings

Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	Offset Value 0 %		✅		
	Offset Value -30 %		✅		
	Offset Value -50 %				
	Offset Mode Converging				
	Offset Mode Fixed				

2. Operating basicDIM ILD with other sensors

2.5. Bright Out settings

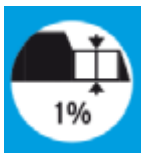
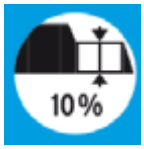
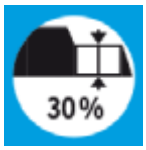
Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	Bright Out ON		✅		✅
	Bright Out OFF		✅		✅

2. Operating basicDIM ILD with other sensors

2.6. Presence detection profile settings

Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	P.I.R. inactive		✅		✅
	P.I.R. off only		✅		✅
	P.I.R. active		✅		✅
	Time delay 1min.		✅		✅
	Time delay 10min.		✅		✅
	Time delay 20min.		✅		✅
	If vacant 0min.		✅		✅

2. Operating basicDIM ILD with other sensors

	If vacant 1min.		✅		✅
	If vacant 30min.		✅		✅
	If vacant continuous		✅		✅
	Sec. Level 1%		✅		✅
	Sec. Level 10%		✅		✅
	Sec. Level 30%		✅		✅
	Sec. Level 50%				✅

2. Operating basicDIM ILD with other sensors

2.7. Interface operating mode settings

Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	DALI		✅		✅
	DSI		✅		✅

2.8. Return of power settings

Icon	Designation	DALI MSensor 02 / MSensor 5DPI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PTM
	Power Up ON		✅		✅
	Power Up OFF		✅		✅