TRIDONIC luxCONTROL BasicDIM ILD G2 Programmer Instruction Manual
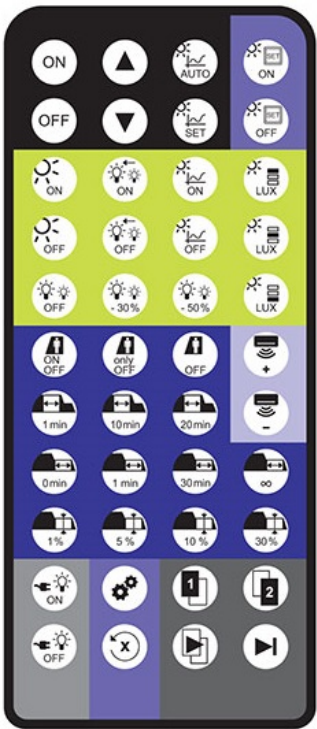
TRIDONIC lux CONTROL Basic DIM ILD G2 Programmer Instruction Manual

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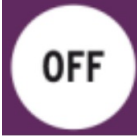
ℹ️ **NOTICE**

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

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

Basic functions

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

Push to make switch functions

The abbreviation PTM stands for "push to make switch".

Icon	Designation	Description
	PTM Set ON	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

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.

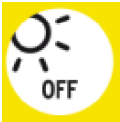- Try all three light levels and select the one most suitable!

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

Offset settings

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

Icon	Designation	Description
OFF	Offset Value 0 %	Set the difference in brightness between channel 2 and channel 1 to 0 %
- 30 %	Offset Value -30 %	Set the difference in brightness between channel 2 and channel 1 to -30 %
-50 %	Offset Value -50 %	Set the difference in brightness between channel 2 and channel 1 to -50 %
ON	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

Icon	Designation	Description
	Offset Mode Fixed	Maintain the difference in brightness between channel 2 and channel 1 at increased or reduced 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 %.

Bright Out settings

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

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 PHASED 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.

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 au
	P.I.R. active	Enable presence detection light is switched on and off automatically based on the presence/absence of a person Run
	Time delay 1min	1 minute after the last presence was detected, light is dimmed to Sec. Level
	Time delay 10min	n-on time to 10 minutes 10 minutes after the last presence was detected, light is dimmed to Sec. Level
	Time delay 20min	20 minutes after the last presence was detected, light is dimmed to Sec. Level

	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 tim has
	If vacant continuous	Set switch-off delay to "infinite" (neverOFF) light is not switched off after
	Sec. Level 1%	Set the absence level to 1 % = dimming level to which the light is dimmed after the run-on time has expired

Icon	Designation	Description
	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

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

Icon	Designation	Description
	Power Up ON	luminaire is switched on again after a mains break
	Power off	luminaire is switched on again after a mains break

Operating basic DIM ILD with other sensors

Basic functions

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

Push to make switch functions

The abbreviation PTM stands for "push to make switch"

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

Constant light control settings

Icon	Designation	DALI MSensor 0 2 /	basicDIM DGC	SMART Sensor 5-10DPI 19fe	DSI-SMART PT M
	Light level low		✓		✓
	Light level middle		✓		✓
	Light High		✓		✓

Offset settings

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

Bright Out settings

Icon	Designation	DALI MSensor 0 2 / MSensor 5D PI 14	basicDIM DGC	SMART Sensor 5-10DP I 19fe	PTM
	Bright Out ON		✓		
	Bright Out OFF		✓		

Presence detection profile settings

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

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

Interface operating mode settings
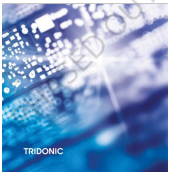
Icon	Designation	DALI MSensor 02 / MSensor 5D PI 14	basicDIM DGC	SMART Sensor 5-10DPI 19fe	PTM
DALI	DALI		✅		✅
DSI	DSI		✅		✅

Return of power settings

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

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Documents / Resources

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