

Touch DIM-/Corridor Function for QUICKTRONIC DALI and OPTOTRONIC DALI

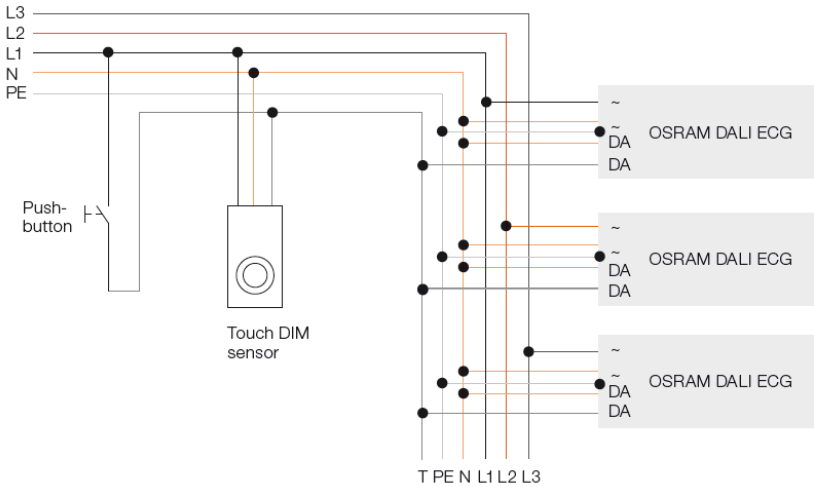
1. Touch DIM Function

1.1 Dim up to 20 DALI-ECG/DALI-LED-drivers using commercial pushbuttons



In addition to operation on DALI control units, QT_i DALI ECGs / OT_i DALI offer the possibility of Touch DIM operation. The QT_i platform now enables up to 20 ECGs or LED driver to be dimmed using commercial push-buttons with no problem.

1.2 Dimming up to 4 DALI ECGs or DALI- LED driver with one Touch DIM sensor



2. Corridor Function and parametrization options



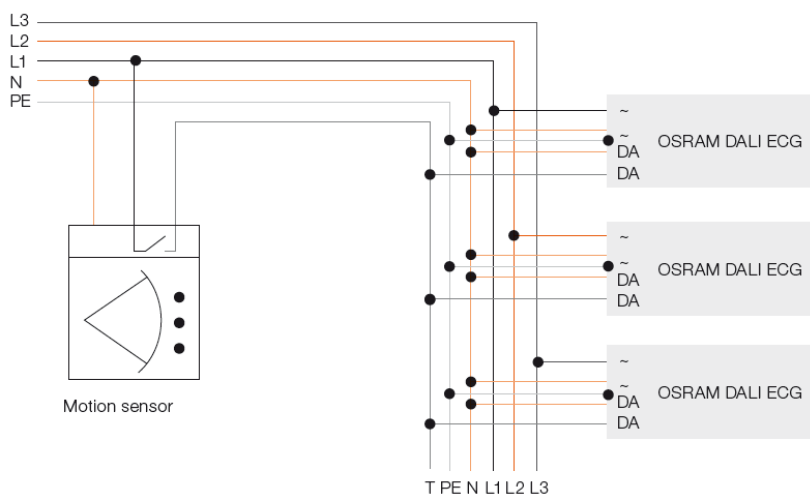
2.1 Description Corridor Function

It is possible to connect the DALI-ECG/DALI-LED drivers directly to commercially available motion sensors. The Corridor Function is triggered by a switching signal, i.e. the voltage of the supply line (220-240 V, 50/60 Hz) is switched to the DALI control line inputs (DA, DA; see the diagram below). A preset „out-of-the-box” luminous flux program launches upon triggering. This can be individually adjusted via OSRAM DALI Wizard and DALI magic. Three light value ranges and six time ranges are available for this purpose.

Several DALI-ECG/DALI-LED drivers can be synchronized in an installation via the frequency of the mains voltage (50/60 Hz). The maximum number of ECGs in an installation is only limited by the sum of the inrush current surges from the individual ECGs.

Advantage:

Development of new applications (stairwells, corridors, large storage facilities, ...) with the possibility for saving energy and achieving high energy efficiency.



2.2 Activating the Corridor Function

Activate the Corridor Function by permanently applying the supply voltage (220-240 V) to the DALI input of the ECG for at least 120 seconds (50 Hz) and 100 seconds (60 Hz), respectively.

2.3 Changing from the Corridor Function to the Touch DIM Function

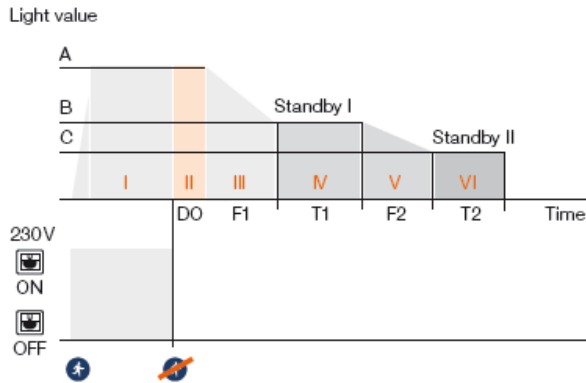
It is possible to change from the Corridor Function to the Touch DIM Function by **briefly pressing a push-button 5 times** (at the DALI input, 220-240 V) **within 3 seconds**. For **reliable leaving** of the corridor function it is a must to have a **minimum time of 0.5 sec. in between the 5 individual push button pressings**. The same recommendation fits for the Touch DIM RC solution.

2.4 Setting Corridor Function parameters

The Corridor Functions are easily programmable with the DALI magic/Wizard i.e. the programmed settings (e.g. extent of the three light ranges, duration of the six time ranges) remain saved in the DALI ECG.

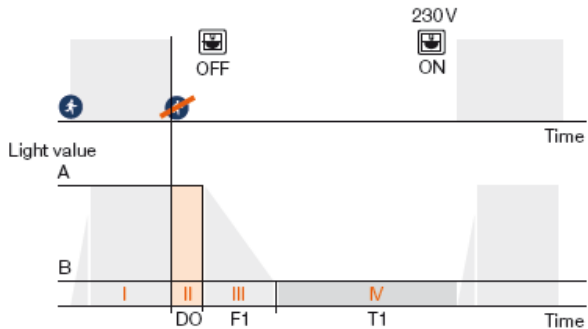
Corridor Function phasing (general and factory setting)

General curve:



Three dimming ranges (1...100 %), free parameterization of time (I...VI) using DALI magic.

Factory setting:



Factory-set parameters:
 A: 100 %, D0: 120 s, F1: 32 s
 B: 10 %, T1: unlimited

2.5 Synchronisation of *Touch DIM*

If a large number of DALI ECG with *Touch DIM* is operated in a system there is a chance that an ECG will operate out of synchronism with the others (= different dimming level setting or different switching state).

Synchronism can be restored as follows:

1. Step: **Long** press of the switch (> 0,5 s) → all the lamps are switched on
2. Step: **Short** press of the switch (< 0,5 s) → all the lamps are switched off
3. Step: **Long** press of the switch (> 0,5 s) → all the lamps are switched on at minimum dimmer setting and fade up
4. Step: Double-click (2x within 0,4 s) → store value (OPTIONAL)

After these three steps – **long-short-long** – all the ECGs will be back in synchronism.

Note:

Touch DIM is designed for manual control; it is not suitable for a connection to an automation.