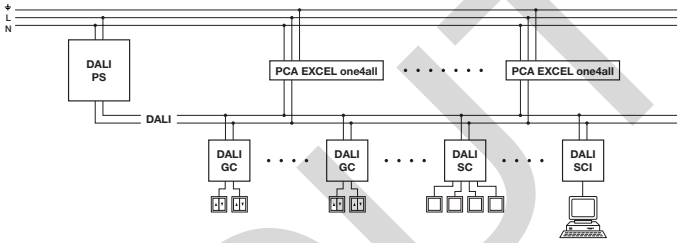
DALI SC Scene Control Module

TRIDONIC.ATCO

1. DALI SC - Function

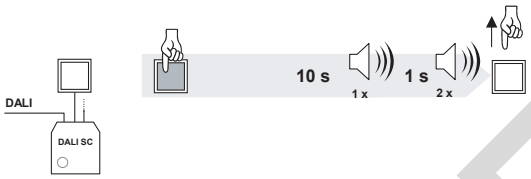
The DALI Scene Control (SC) switch input module supports the ability to program scene levels and recall up to 4 scenes (A, B, C, D). A scene aloud to memorize and recall different light levels at different devices. The module input is configured for use with a standard momentary switch(s). Output communications signal is compatible for use in applications using DALI communications. The scene command(s) will be sent as a broadcast signal to all devices (ballasts) connected on the DALI bus installation.



2. Programming / Recalling Scenes

A scene is recalled when a short push (<1 second) is detected at any of the 4 switch inputs.

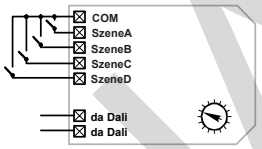
Pressing any of the 4 switch inputs, for more then 9 seconds will be confirmed by a beep. Keep the button pressed for a further second, the actual scene (current light levels) will be stored in the connected devices. The module will confirm by two beeps. The scene number stored is based on the setting of the Scene selector located on the back of the module (refer to table for setting). The next time the scene is recalled the newly assigned level will be selected.



push	function
40ms .. 1s	Recall of memorized scene
> 10s	Memorizing the actual light level of all ballasts as scene based on the rotary selector switch setting. (scene selector) The module will sound a short beep confirming new scene level has been communicated and two beeps when memorized.

3. Wiring connections

The DALI SC module is designed to connect directly (regardles of polarity) to the DALI communication bus. The
module consumes 5-7mA and draws its power from the DALI bus. It is important to note that a DALI power supply must be present somewhere on the communications bus installation to support the DALI SC module and other DALI compatible loads.
Connect momentary switch wiring as shown in the diagram below.



Scene selector Rotating switch position	T1 Scene A	T2 Scene B	T3 Scene C	T4 Scene D
	Scene - Number controlled			
1	1	2	3	4
2	2	3	4	5
3	3	4	5	6
4…9	4…9	5…10	6…11	7…12
A	10	11	12	13
B	11	12	13	14
C	12	13	14	15
D	13	14	15	16
E	14	15	16	1
F	15	16	1	2
0	16	1	2	3

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