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1. Function of rest mode and inhibition mode

In installations which are completely disconnected when the building is unoccupied for a short time (e.g. over the weekend) batteries of emergency units shall be protected against unwanted discharge. With a rest mode device or inhibition mode facility the emergency luminaire can be deactivated when it is disconnected from the mains supply.

- **Rest mode** is designed to allow a competent person to prevent emergency operation of the emergency units after the power has been switched off. Rest mode prevents full discharge and possible damage to the batteries during this short period.
  The emergency module will enter rest mode after the mains supply has been disconnected and the unit has received a rest mode signal whilst it is in emergency operation. Rest mode cannot be entered when the mains supply is still connected. Rest mode will be ceased after re-connection of the mains supply.
- **Inhibition mode** allows the emergency operation to be disabled or inhibited by a competent person for a period of time while the permanent mains supply is still connected.
  Inhibit mode can be entered by sending the Inhibition signal before the mains supply to the units is disconnected.

For both rest mode and inhibition mode facilities remote control devices must be installed via proper wiring. The easiest way is via a DALI addressable automatic test emergency solution at which rest mode and inhibition mode are operated via a DALI emergency controller. Emergency lighting distributed over several floors and in every corner of the building can be conveniently monitored and operated from a central location.

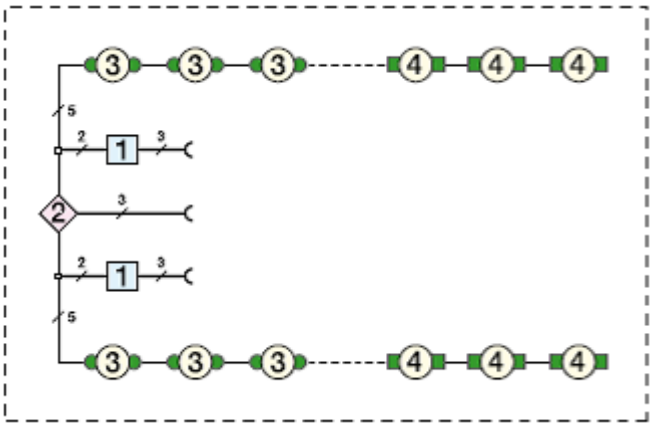
Up to 120 luminaires can be connected to one DALI x/e-touchPANEL. Up to five DALI x/e-touchPANEL can be connected via network which means that installations with a maximum of up to 600 luminaires are possible. Solutions for these two sizes, medium size building with up to 120 luminaires and large size buildings with up to 600 luminaires, are described in the following chapters.

2. Solution for a medium size building

The tests are initiated, monitored and logged from a central screen (touch screen). A user-friendly interface means that the system is easy to use and the emergency lighting can be managed in accordance with the relevant standards. The system can be expanded at any time to include up to 600 emergency lighting units via networking several control points (Ethernet).

2.1. Mounting diagram

Up to 120 emergency luminaires can be assigned and centrally monitored in two DALI lines.



2.2. Components

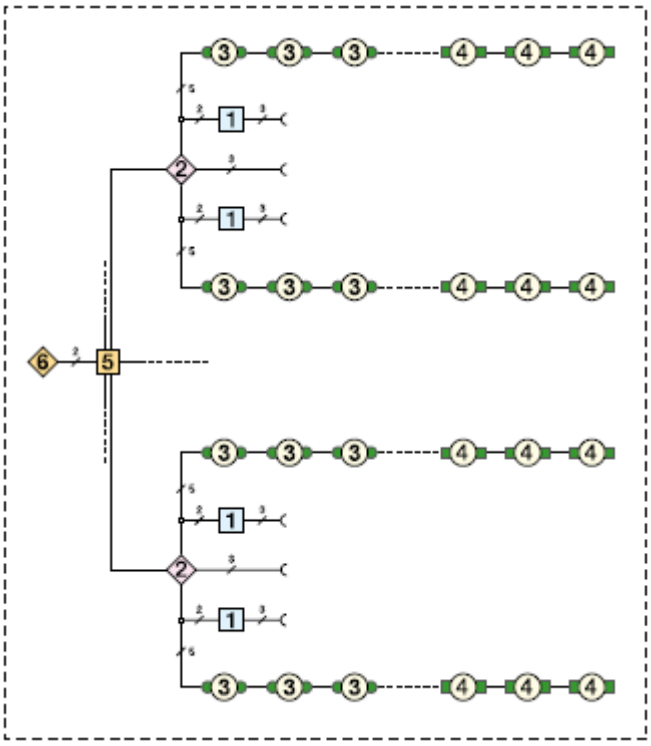
Pos.	Num.	Type	Article No.
1	2	Central power supply DALI PS or DALI PS1	24033444
2	1	Control panel emergency lighting system DALI e-touchPANEL	24139117
3	n	Emergency sign posting EM powerLED, Emergency lighting unit	variable
4	n	Emergency luminaire (permanently switched-on) with DALI emergency lighting unit EM PRO and electronic control gear	variable

3. Solution for a large size building

Control points (touch screens) networked via Ethernet enable up to 600 DALI emergency lighting units to be connected. These units can be operated and monitored with em-LINK software from a central PC. A user-friendly interface means that the system is easy to use and the emergency lighting can be managed in accordance with the relevant standards (monitoring and logging of the tests).

3.1. Mounting diagram

Up to 5 solo-systems can be networked via Ethernet. Each solo-system is managed by an DALI x/e-touchPANEL and can connect 120 emergency luminaires.



3.2. Components

Pos.	Num.	Type	Article No.
1	4	Central power supply DALI PS or DALI PS1	24033444
2	2	Control panel emergency lighting system DALI e-touchPANEL	24139117
3	n	Emergency sign posting EM powerLED, emergency lighting unit	variable
4	m	Emergency luminaire (permanently switched-on) with DALI emergency lighting unit EM PRO and electronic control gear	variable
5	1	Ethernet switch (standard component)	-
6	1	Personal computer (standard component)	-
	1	Software em-LINK	-

4. Additional information

Even in rest mode there is still an extremely small level of discharge current flowing from the batteries which could lead to deep discharge and potential damage if left for prolonged periods of time in excess of two months.

EM PRO EZ stops the rest mode function automatically after re-connection of the mains; it does not support the re-light command via the DALI bus.

Inhibition mode will be entered when mains is switched off within 15 minutes of setting the inhibition mode otherwise a new inhibit command is necessary.

During inhibit mode the LED will give a double green pulse as indication that the command is active.

The command "reset inhibit" will cancel the timer within the 15 minute time out period.