

Lighting for a meeting room with remote reporting

iTL, the impulse relay

iTL



iTLs



Customer needs

The meeting room's lighting must be able to be controlled from several points.

The receptionist must be able to check switch-off when the room is not in use, to avoid any waste of energy if users have forgotten to turn off the light.

Users / customer benefits

- **space saving:** the iTLs impulse relay saves space due to integration of the remote signaling function. The total width is still 18 mm,
- **reduced consumption and heating:** a "bistable" solution, which consumes no energy to hold the lighting circuit in closed position,
- **comfort:** the impulse relay offers continuous, silent operation compared with similar applications using contactors. The distribution board can be installed in bedrooms, offices, etc. without any discomfort for the users.

Proposed solution

iTL, the impulse relay

The iTL, iTLs impulse relay closes or opens the circuit whenever a control pulse is applied. The pulse is generated by pressing one of the push buttons. All the push buttons are connected in parallel.

For the purpose of remote signaling, a lighting status report is produced by the signaling function of the iTLs.



Junior high school

Preferred application

- housing,
- offices,
- hotels,
- etc.

Impulse remote control + signaling = visibility of lighting status

Specifications

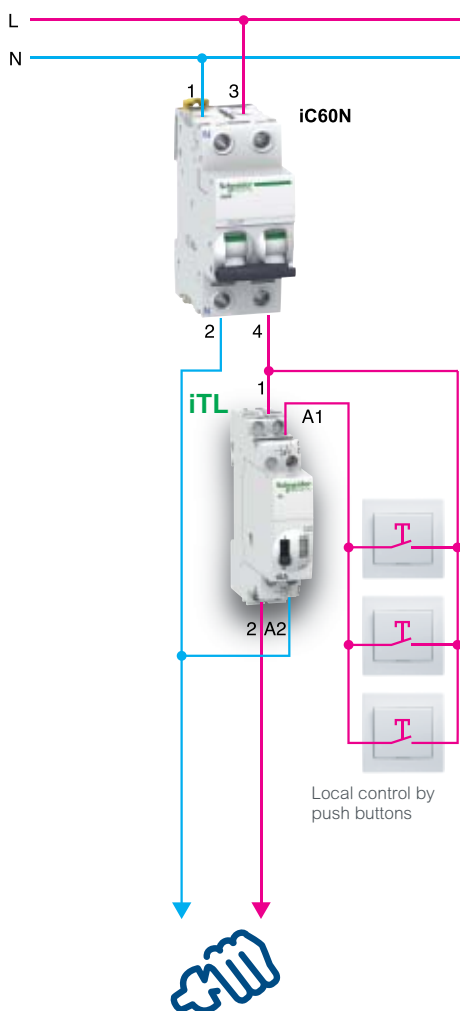
The lighting system for an area is activated locally via several push buttons. Override setting of the lighting to ON or OFF for maintenance purposes must be able to be performed easily from the distribution board.

On option, it must be possible to remotely indicate the circuit status.

Depending on the rating of the power circuit protection circuit breaker, additional protection for the control circuit may be necessary.

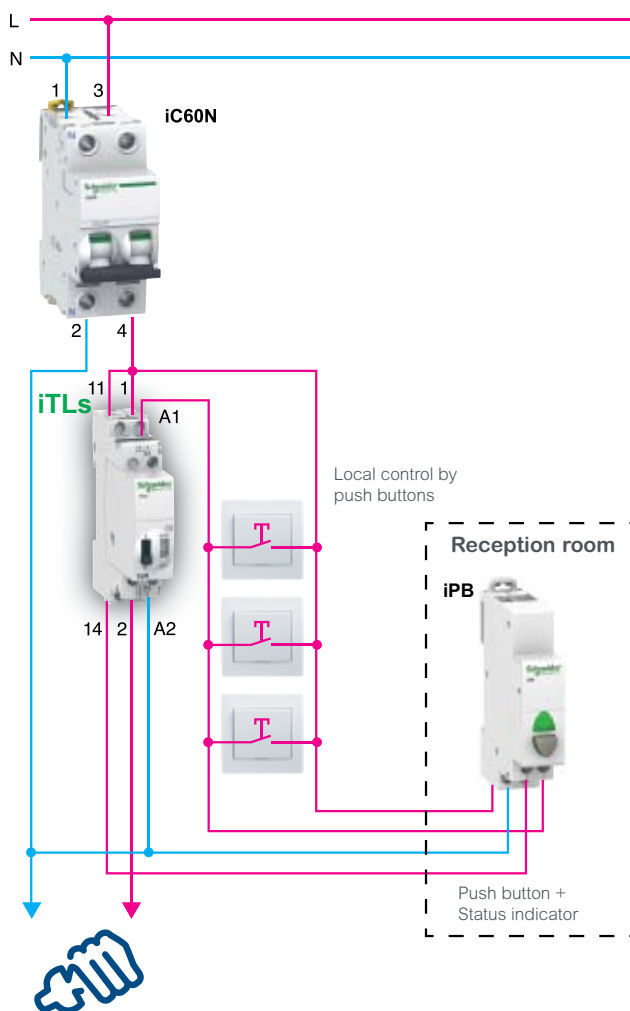
Solution diagram

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Variant with remote reporting (circuit status)



Products used

Product	Description	Unity	Cat. no.
iC60N	C16 A 1P+N circuit breaker	1	-
iTL	16 A impulse relay	1	A9C30811
iTLs	16 A impulse relay with remote indication	1	A9C38111
iPB	Push button + green indicator	1	A9E18036

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