

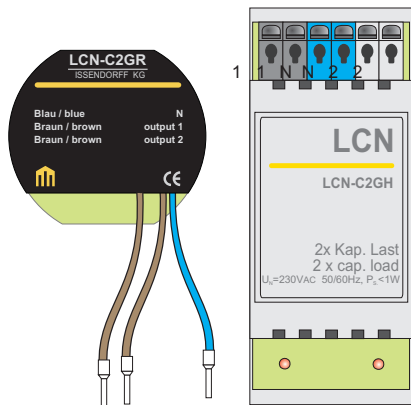
Base load module

The LCN-C2GH/-C2GR are base load modules for special appliances on the electronic outputs (LCN-SH/-HU/-LD) or push-button & binary inputs (LCN-BT4H).

Application

Compared to a normal base load, the LCN-C2GH/-C2GR offers the advantage of using almost no energy (cap. load).

The LCN-C2GH has two light-emitting diodes, that show which output is carrying voltage.



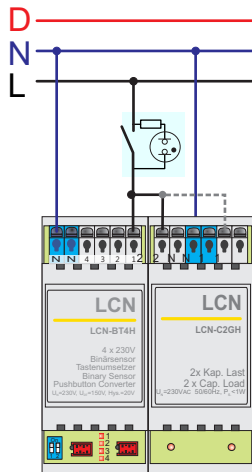
Derivation of the stand-by current from glow lamps

Base load modules are necessary, when (several) conventional push-buttons with glow lamps are being connected. Problem: When the stand-by current of the glow lamps exceeds 2mA, an LCN-BT4H/-TU4R can be triggered, even though no push-button has been pressed.

Solution

Connect one or both LCN-C2GH inputs parallel to the push-button inputs, this will raise the permitted stand-by current significantly up to 8mA or 14mA - see illustration.

The LCN-C2GH/-C2GR can also be used, when a very long connecting cable (from conventional push-button to the LCN-BT4H/-TU4R) cause the push-buttons to block, through a capacitive coupled voltage.

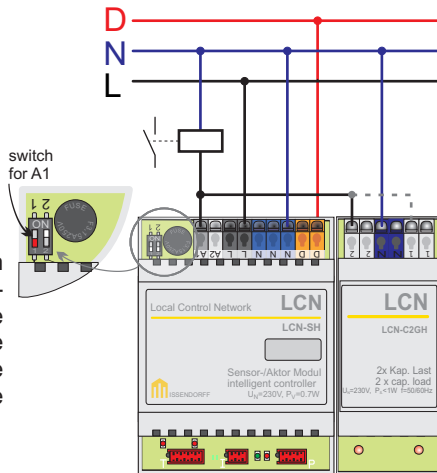


Derivation of the stand-by current on the electronic outputs

Due to the CE required interference suppression measures, a small stand-by current of 4 mA (capacitive) flows in each power output, even with switched off triacs. When connecting relays (230V AC), this may lead to a problem, that the relays will not switch off.

Solution

To avoid this effect, can: firstly, the main interference suppression filter be deactivated. For this, you will find a DIP switch on the LCN-SH/-HU modules, directly beside the fine wire fuse. Secondly, an LCN-C2GH be connected parallel to the relay coil - see illustration.



Technical data

connection

voltage:	110-230VAC 50/60Hz
power consumption:	<0,3W
terminals LCN-C2GH:	screwless, solid max. 2,5mm ² or fine wire with wire end-sleeves max 1,5mm ² loop through current max. 16A
wire type LCN-C2GR:	fine wire 0,75 mm ² (with end-sleeves)

installation

operating temperature:	-10°C to +40°C
air humidity:	max. 80% rel., non condensing
environmental conditions:	use as stationary installation according to VDE632, VDE637

LCN-C2GH

protection art:	IP20
dimensions (WxDxH):	38mm (2HP) x 92mm x 66,5mm
installation:	DIN rail mounting 35mm (DIN50022)

LCN-C2GR

protection art:	IP 20, when installing in flush mounted boxes
dimensions:	50mm ø x 10mm

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