Adapter for extending and duplicating the I-port

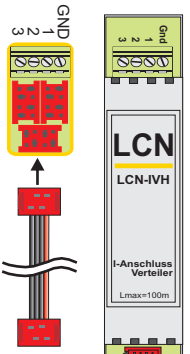
1. Duplicating:
if you would like to connect two I-port extensions to one module, you can connect a second LCN-IVH/-IV to a free I-port (red jack).

2. Extension (illustr. 3, page 3):
an LCN-IVH/-IV and a further LCN-IV is needed. The LCN-IVH/-IV is connected to the LCN module by using the supplied flat cable. Over a four pole, max. 50m in length, shielded cable, the LCN-IVH/-IV is joined to the other LCN-IV - see page 3.

Note: Only a maximum of five periphery devices can be operated on one I-port (except for the LCN-IVH/-IV)!

3. Impulse sensor (illustr. 4, page 3):
For evaluating potential free contacts, these are simply connected to the terminals “GND” and “2” (e.g. when connecting the wind sensor LCN-IW).

Included in delivery:
LCN-IV oder -IVH & I-Anschlussleitung.



illustr. 1: LCN-IV

illustr. 2: LCN-IVH

Hinweise:

`Keep distances to power supplies! The connecting cable (I-port extension) between

`an LCN-IVH/-IV to another LCN-IV´s is a signal line.

`**If the LCN-IVH/-IV is being used as an impulse sensor, no other groups may be connected to the I-port (except the impulse generator.)**

`Connect NO external voltages to the LCN-IV!

`The terminal "GND" on the LCN-IV is on the N potential of the connected LCN module.

`The I-port extension should be carried out using a shielded cable. The shielding is not to be connectedt!

`If the LCN-IV is being used as an impulse counter, the cable to the impulse contact should be as short as possible. An extension is possible (max. 50m) when using two LCN-IVH/-IV´s.

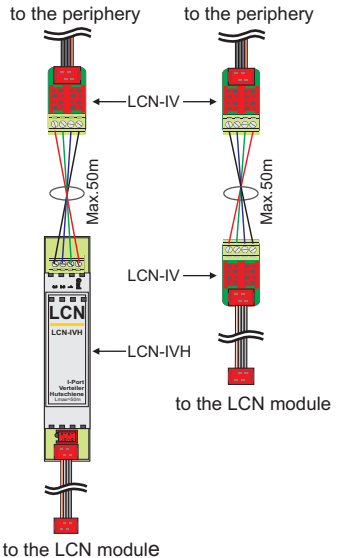
Guidelines to I-port connections:

The I-connecting cable to the LCN module can be extended up to a maximum of 50m with an LCN-IV (all diverted distances added together), use 0,8mm .

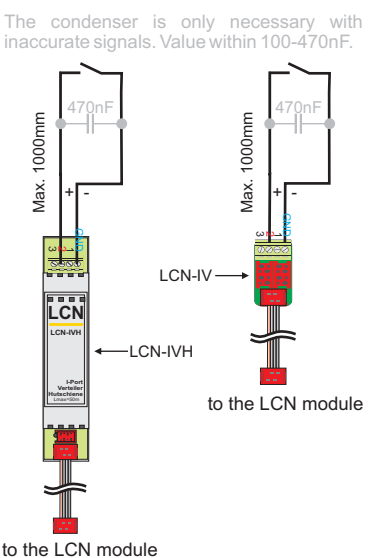
The distance from the LCN-NUI to a maximum of 2 GT-key sensors, must not be longer that 20m. Only a maximum of five I-port periphery devices may be connected.

Please see also "TDi connections from peripheries" on www.LCN.de

illustr. 3: The LCN-IVH as extension



illustr. 4: The LCN-IVH as impulse counter



Technical data

Connection

terminals/wire type:	for screwing, solid or fine wire with wire end-sleeves max. 0,5 mm^2 connection terminals carry N-potential
LCN-connection:	I-connection cable length 300mm
length of cable:	I-connection extension maximum 50m complete length incl. all the diverted lengths only use shielded cable!

Installation

operating temperature:	-10°C to +40°C
air humidity:	max. 80% rel., non condensing
enironmental conditions:	use as stationary installation according to VDE632, VDE637
protection art:	IP 20

LCN-IVH

dimensions (WxLxD):	17,5mm (1HP) x 92mm x 66,5mm
installation:	DIN rail mounting 35 mm (DIN50022)

LCN-IV

installation:	in flush mounted boxes
dimensions (WxLxD):	approximately 22mm x 12mm x 13mm