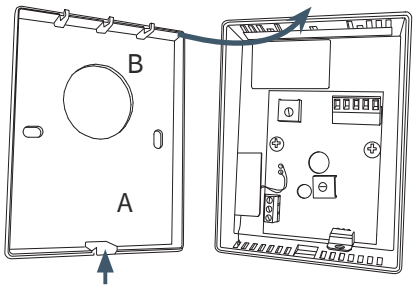
1. INSTALLATION OF GTQ-V

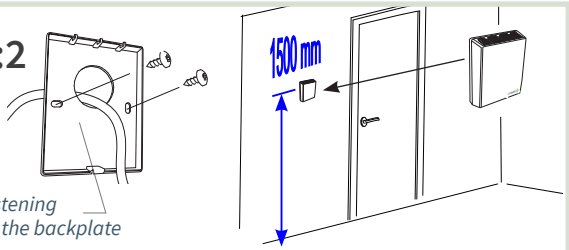
The GTQ-V is mounted on the wall via the back plate. The circuit board with the sensor is attached to the front plate. The casing is designed for mounting over an electrical box.

1:1



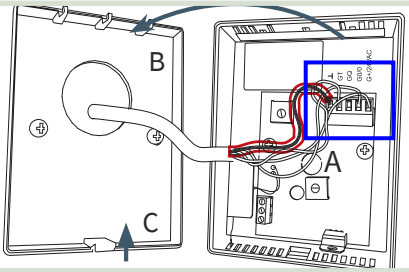
[1:1] Detach the front plate using the snap mechanism [A] and then unhook it from the top [B].

1:2



[1:2] Placement: Avoid positioning the sensor directly near passages where air currents may cause inaccurate measurements.

1:3



[1:3] [A] During connection: Use a bi-conductor sleeve for shielding. Reattach the front panel [B] and [C].

2. CONNECTING THE GTQ-V

Note: A connection label with a wiring diagram is located on the inside of the casing cover.

[2:1] Preparations

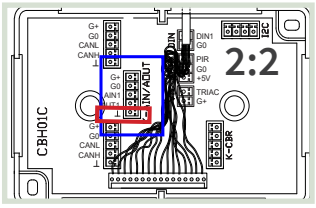
= Note: Use a bi-conductor sleeve for shielding.

= Connect the conductors and shield according to the product's wiring diagram.

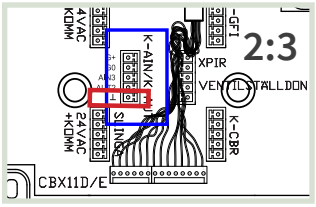
= Velect an appropriate opening in the casing for cable entry.

Terminal block K-AIN | *Bi-conductor sleeve on shield*

[2:2] Connection to active units ISQ, ISQ-F. Connection via junction box CBD and terminal block K-AIN.

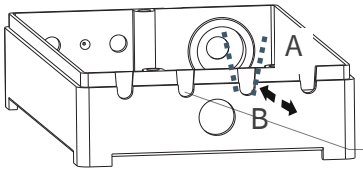


[2:3] Connection to active units TTC and VTD. Connection via junction box CBD and terminal block K-AIN.



3. CONNECTING: CONTROLLERS LCX/LCXB/RCX/RCXB

Cables are secured when the cover is screwed on after connection!

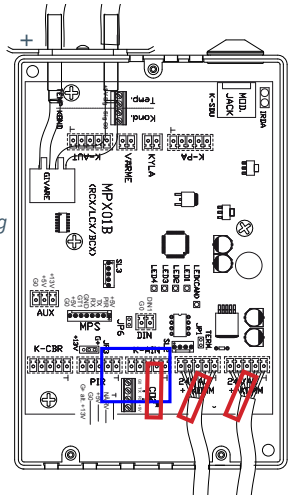


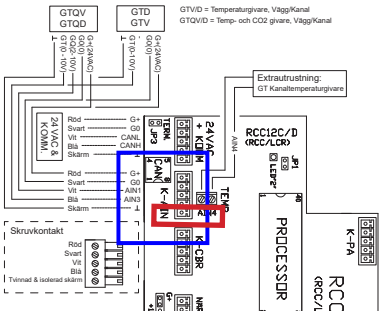
A: Cut x 2

B: Fold/break off. Adjust the opening with wire cutters.

Area for opening in casing.

[2:2] Create an opening in the casing for cabling: LCX and RCX. Use wire cutters to [A] open a suitable opening in the casing and [B] trim the opening





Older controllers LCR and RCC

Cabling is secured through a gland in the box.

Terminal block K-AIN | *Bi-conductor sleeve on shield.*

SEE THE OTHER SIDE FOR COMMISSIONING INSTRUCTIONS!

MANUAL SETTINGS FOR MEASUREMENTS FROM GTQ-V

- Settings of AIN functions with parameter settings:
  - ISQ, TTC, and VTD (Active units with room climate controllers)
  - LCX and RCX (Lab and room climate controllers)
  - LCR and RCC (Older controllers)
- The mobile application LINDINSIDE is used for logging into ISQ, RCXb, and LCXb. For guidance, see the commissioning instructions for the respective control unit.
- The handheld device DHP is used for logging into:
  - TTC and VTD (Wireless only via the DHP application ILCAT)
  - LCX and RCX (Wireless or Wired)
  - LCR and RCC (Wireless or Wired)
- Settings can also be made on all units via a superior network. See the communication tool LINDINSPECT®.

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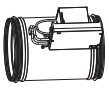
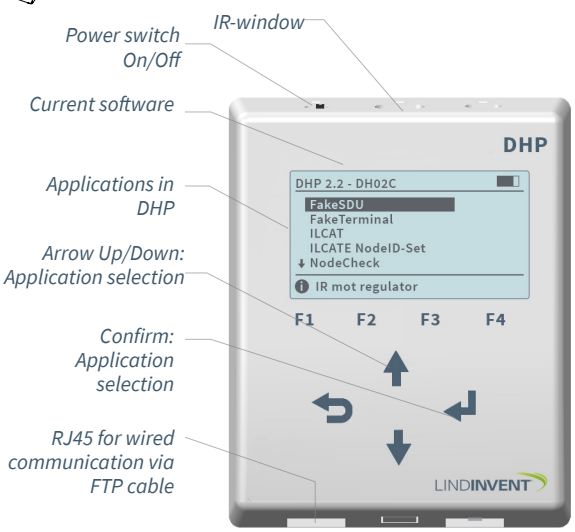


DCV-RC and DCV-LC (Controller RCX and LCX)



Start screen in the DHP user panel.

1. SETTINGS AIN: ACTIVE UNITS ISQ, ISQ-F, TTC, VTD

Note: GTQ-V is only connected for carbon dioxide measurement. Active units are equipped with room temperature sensors.

In/Out Signals	Function/Value
AIN1: ISQ, ISQ-F	
Function (Note 1)	CO_2 - sensor
Param. 1	0
Param. 2	2000

In/Out Signals	Function/Value
AIN3: TTC, VTD	
Function (Note 1)	CO_2 - sensor
Param. 1	0
Param. 2	20

ISF, ISQ-F, TTC, VTD:

Note 1 1 Selection of function from a predefined list. AIN:
<OFF>; <Flow BV>; <DUC>; <Wall knob>; <CO2-sensor>; ...

2. SETTINGS ON CONTROLLERS LCX AND RCX

Login to LCX and RCX:

- Wirelessly via DHP: Select application FakeSDU.
- Wired via DHP and FTP cable: Select application Serial SDU.
- Login to RCXb and LCXb: Only via LINDINSIDE.

In/Out Signals	Function/Value
AIN2	
Function (Note 1)	CO_2 - sensor
Param. 1	0
Param. 2	2000
AIN3	
Function (Note 1)	Room temp
Param. 1	12
Param. 2	43

LCX and RCX

Note 1 Selection of function from a predefined list. AIN:
<Inactive>; <Damper>; <Room temp>; <Supply air temp>; <CO2-sensor>; ...

3. SETTINGS ON CONTROLLERS LCR AND RCC

Login via DHP:

- Wirelessly via DHP: Select application FakeSDU.
- Wired via DHP and FTP cable: Select application SDU.

In/Out Signals	Function/Value
AIN2	
Funktion (Note 1)	CO_2 - sensor
Param. 1	0
Param. 2	2000
AIN3	
Funktion (Note 1)	Room temp
Param. 1	12
Param. 2	43

LCX and RCX

Note 1 Selection of function from a predefined list. AIN:
<Inactive>; <Damper>; <Room temp>; <Supply air temp>; <CO2-sensor>; ...

4. FUNCTION VERIFICATION

Values that can be read from the control unit are verified using a calibrated reference instrument.

SEE THE OTHER SIDE FOR INSTALLATION INSTRUCTIONS!