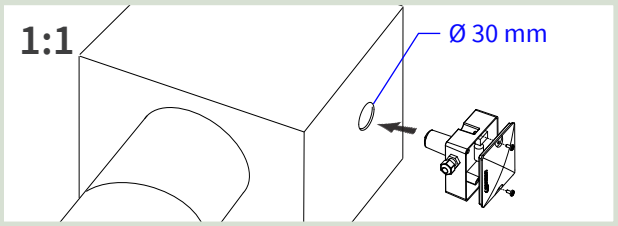
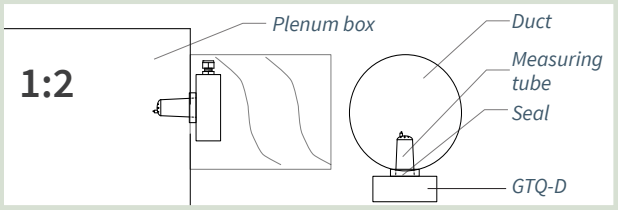
1. ASSEMBLY OF GTQ-D

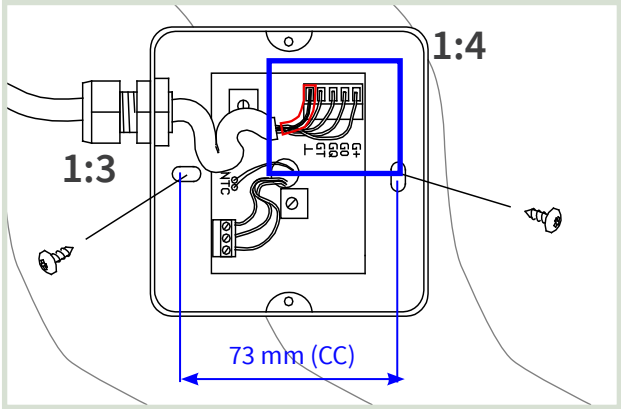
For reliable room temperature measurement, the GTQ-D must be mounted in direct connection with a suitable exhaust air diffuser.



[1:1] Make a hole with a diameter of 30 mm in the plenum box or duct as close to the exhaust air diffuser as possible. Remove the lid of the GTQ-D.



[1:2] GTQ-D is placed with a seal against the box or duct.



[1:3] Orient GTQ-D for attachment in the longitudinal direction of the channel. Tighten screws until seal closes tightly.

[1:4] In connection with connection: Use bi-conductor hose to screen. Refit the cover.

2. CONNECTION OF GTQ-D

Note: Connection mark with connection diagram is located on the inside of the cover for enclosures.

[2:1] Preparations

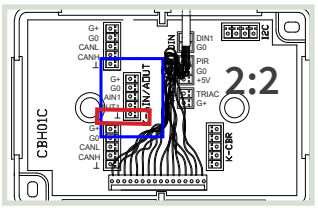
= Note: Use bi-conductor hose to shield.

= Conductor + sheild connected according to the product connection diagram.

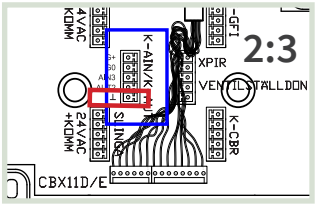
= Vlect the appropriate socket in the enclosure for cable entry.

Kopplingsplint K-AIN *Bi-ledarslang på skärm*

[2:2] Connection to active air diffuser ISQ, ISQ-F: Via junction box (CBD version A1) and terminal K-AIN.

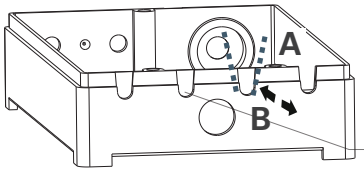


[2:3] Connection to active air diffuser TTC and VTD: Via junction box CBX and terminal K-AIN.



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

Wiring is anchored when the cover is screwed on after connection!

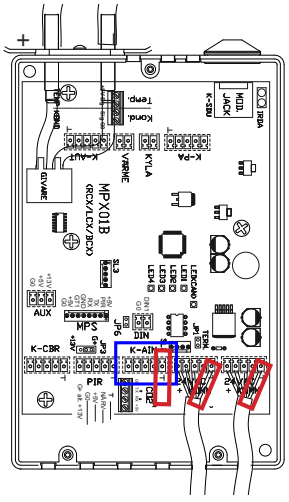


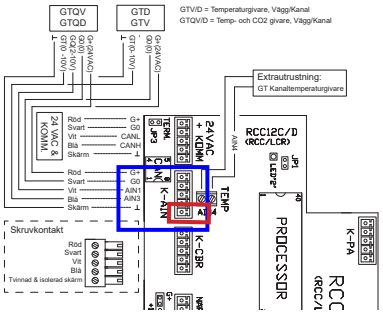
A: Cut x 2

B: Fold / break off. Adjust sockets with cutters.

Surface for outlet in enclosure.

[2:2] Make sockets in enclosures for cabling: LCX and RCX. Use cutting pliers to [A] open the appropriate socket in the enclosure and to [B] trim the socket.





Older regulators LCR and RCC

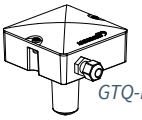
Wiring is anchored with a screw connection in the box.

Terminal block K-AIN *Bi-conductor hose on shield*

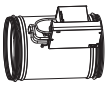
SEE THE NEXT PAGE FOR COMMISSIONING INSTRUCTIONS!

MANUAL SETTINGS FOR MEASURED VALUES FROM GTQ-D

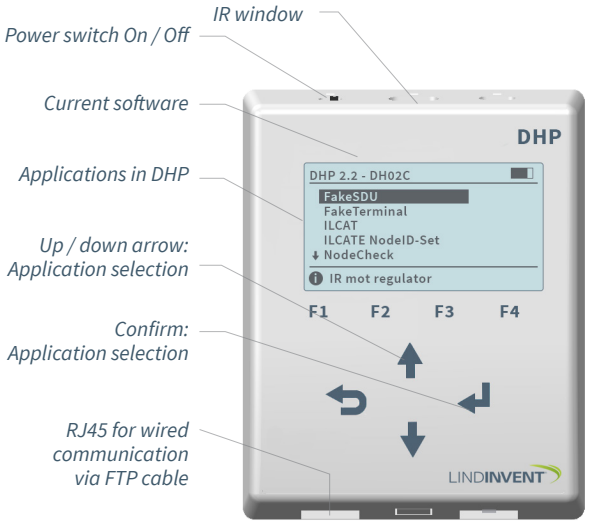
- Settings of AIN functions with parameter settings:
  - ISQ, TTC and VTD (Active ballasts with room climate controller)
  - LCX and RCX (Lab and room climate controller)
  - LCR and RCC (Earlier versions of LCX and RCX)
- Mobile application LINDINSIDE is used for login on ISQ, RCXb and LCXb. For guidance, see the commissioning instructions for each control unit.
- The DHP handset is used to log in to:
  - TTC and VTD (Wireless only via DHP application ILCAT)
  - LCX and RCX (Wireless or Wired)
  - LCR and RCC (Wireless or Wired)
- Settings can also be made on all devices via parent network. See the communication tool LINDINSPECT®.



GTQ-D Version B13



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



Home screen in DHP user panel.

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

Note: GTQ-D is connected only for carbon dioxide measurement. Active air diffusers are equipped with room temperature sensors.

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

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

ISF, ISQ-F, TTC, VTD:

Note 1 Selecting functions from a predefined list. AIN:
<AV>; <Flöde BV>; <DUC>; <Väggratt>;<CO2-givare>...

2. SETTINGS ON LCX AND RCX CONTROLLERS

Login on LCX and RCX:

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

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

LCX och RCX

Note 1 Selecting functions from a predefined list. AIN:
<Inaktiv>; <Spjäll>; <Rumstemp>; <Tilluftstemp>; <CO2-givare>...

3. SETTINGS ON LCR AND RCC CONTROLLERS

Login via DHP:

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

In / Out signals	Function / Value
AIN1	
Feature (Note 1)	CO_2 - sensor
Param. 1	0
Param. 2	2000
AIN3	
Feature (Note 1)	Room temp.
Param. 1	12
Param. 2	43

LCC och RCC

Note 1 Selecting functions from a predefined list. AIN:
<Inaktiv>; <Spjäll>; <Rumstemp>; <Tilluftstemp>; <CO2-givare>...

4. VERIFICATION OF FUNCTION

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

SEE THE NEXT PAGE FOR INSTALLATION INSTRUCTIONS!