Installation Manual
English

Tank sensors connection box

Included in this package:

Part	Order code
Tank sensors connection box	H 740570
Up to 13 Transmitter ISO Pt500 0..150°C 3-wire	H 740515
Datasheet Baumer transmitter FlexTop 2212	-

You will also need:

- Up to 13 vacant channels on a Datapoint I/O module HA3454 (4-20mA). If necessary, order one or more modules HA3454; order code H 740251
- Shielded cable to connect the Tank sensors connection box to the I/O modules.
- Shielded cable to connect the Tank sensors to the tank sensors connection box.

- **1. Installation**

- Mount the ISO transmitters on the bottom plate with the two screws.
  ⓘ *Do not fully tighten the screws.*
- Put the tank sensors connection box in a sheltered location, near the buffer tank.

- Feed the cables and connect them according to the diagram (see 2.).
- Unscrew the four nuts on the inside to remove the inner locking frame of the 'cable glands'.
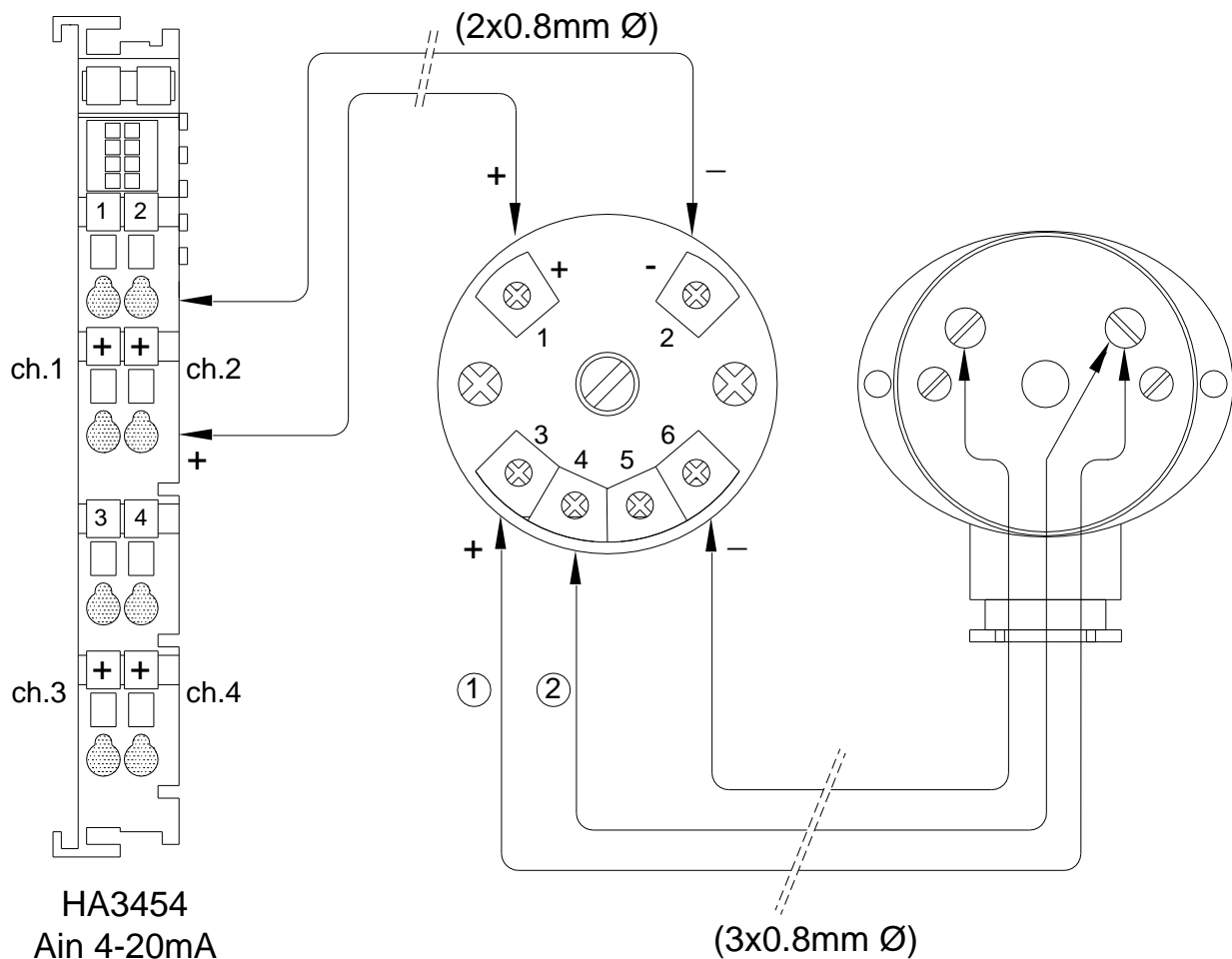
To feed a cable in:
1. Press a square rubber seal inward.
2. Insert a cable through the hole and fold the seal around the cable on the inside of the connection box.
3. Press the seal with the cable back into the slot.
   ⓘ *Replace the seals of the slots without cables with a supplied seal without an opening.*

- Reinstall the inner locking frame of the 'cable glands' and tighten the four nuts.

2. Connection

- Connect the Pt500 temperature sensors one by one to the inputs of the ISO transmitters according to the diagram.
  ⓘ De wires ① and ② may only be connected to the same contact in the head of the temperature sensor.
- Connect the output of the ISO transmitters to a vacant channel in the I/O module HA3454 (4-20mA)
- If no channel is available, insert another module HA3454.
  ⓘ Update the Datapoint configuration.
- The diagram shows the connections for channel 2 of the module; the connections for channel 1, 3 and 4 should be made in the same manner.
- The diagram shows the connections for one temperature sensor; the connections for the other temperature sensors and transmitters should be made in the same manner.
- Connect the shields of the cables to the terminal block.
- Connect on the spot the ground wire of the connection box to the (greenhouse) construction.

(2x0.8mm Ø)

ch.1   ch.2

ch.3   ch.4

HA3454
Ain 4-20mA

(3x0.8mm Ø)

3. Notes

- These diagrams apply to Datapoint I/O systems only.

Specifications

Transmitter	FlexTop 2212
Range	0..+150°C "water"
Input	Pt500 3-wire
Output	4..20 mA
Power supply	loop-powered
Enclosure	
Dimensions	315 x 240 x 130 mm

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