

## T 7512 EN

### Type 3423 Pneumatic Controller Module · Type 3426 Control Room Housing for Type 7311 Air Control System

#### Application

For PI control loops · For fixed set point, follow-up or cascade control

The Type 3423-2 Controller Module is a standardized controller. It is designed for input and output signals of 0.2 to 1 bar and for a supply pressure of 1.4 bar.

The Type 3426-5 Control Room Housing is used to house the Type 3423-2 Controller Module and mount it on a panel. It provides pneumatic connection. The Type 3423-2 Controller Module is used in the Type 7311 Air Control System (see ▶ T 3992).

#### Special features

- Pneumatic controller with PI control action

#### Type 3423 Controller Module

Type 3423-2 · PI controller ▶ T 7521

#### Type 3426 Control Room Housing

Type 3426-5 · Control room housing



Fig. 1: Type 3423-2 Pneumatic Controller Module with Type 3426-5 Control Room Housing



Fig. 2: Type 3426-5 Control Room Housing

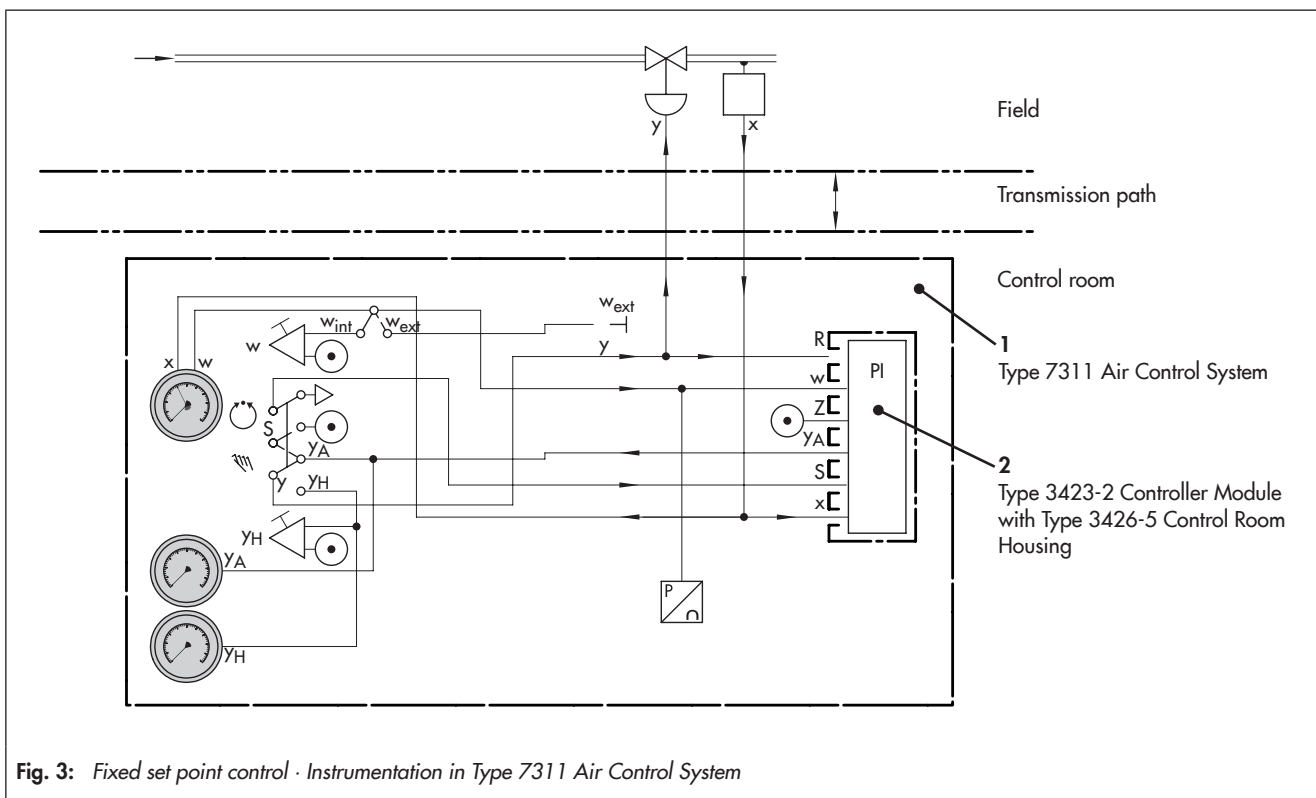


Fig. 3: Fixed set point control · Instrumentation in Type 7311 Air Control System

Table 1: Technical data · All pressure stated as gauge pressure in bar

| Controller module type                |                          | 3423-2  |
|---------------------------------------|--------------------------|---|
| Controller modules                    | Controller action        | PI  |
|                                       | Control parameters       | Proportional-action coefficient $K_p = 0.2$ to 20<br>Reset time $T_n = 0.03$ to 50 min. |
|                                       | Input and output         | Input 0.2 to 1.0 bar · Output max. 0.02 to 1.35 bar                                     |
| Supply                                | Supply air               | 1.4 bar   |
|                                       | Air consumption per unit | < 0.15 m <sup>3</sup> /h  |
| Permissible ambient temperature range |                          | -20 to 60 °C  |
| Weight in kg                          |                          | 0.6   |

Table 2: Technical data · All pressure stated as gauge pressure in bar

| Control room housing type | 3426-5            |
|---------------------------|-------------------|
| Material                  | Anodized aluminum |

Table 2: Technical data · All pressure stated as gauge pressure in bar

|                      |  |
|----------------------|--|
| Pneumatic connection | Hose connection for 4 mm inside diameter and 6 mm outside diameter |
| Weight in kg         | 1.2  |

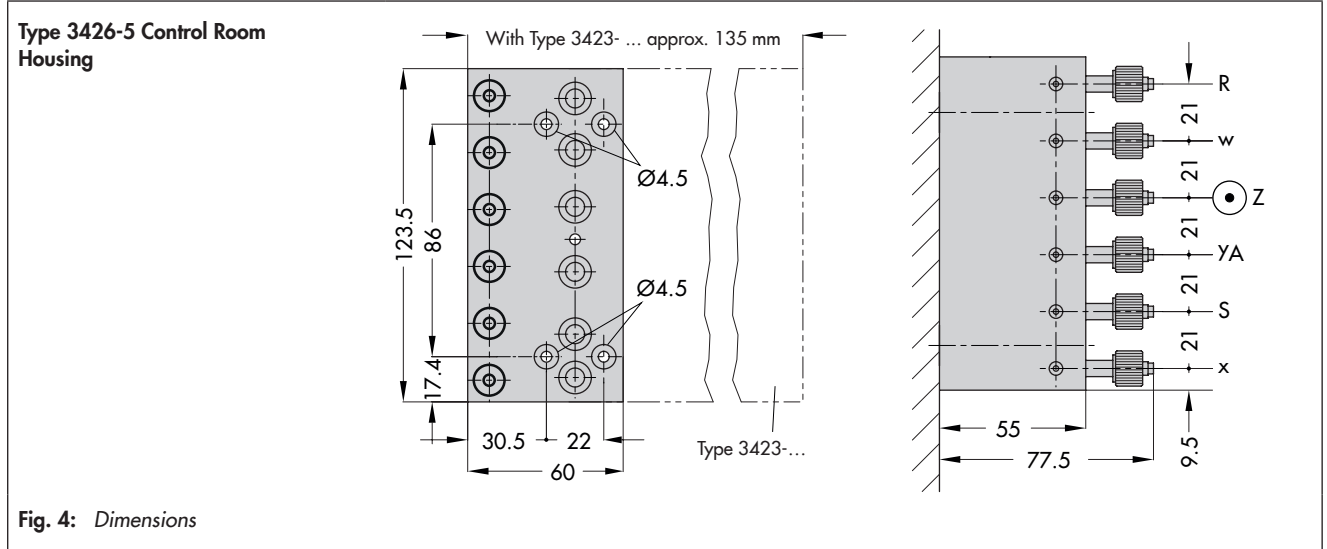
### Installation

Insert the controller module into the self-sealing push-on fittings of the control room housing and screw it tight.

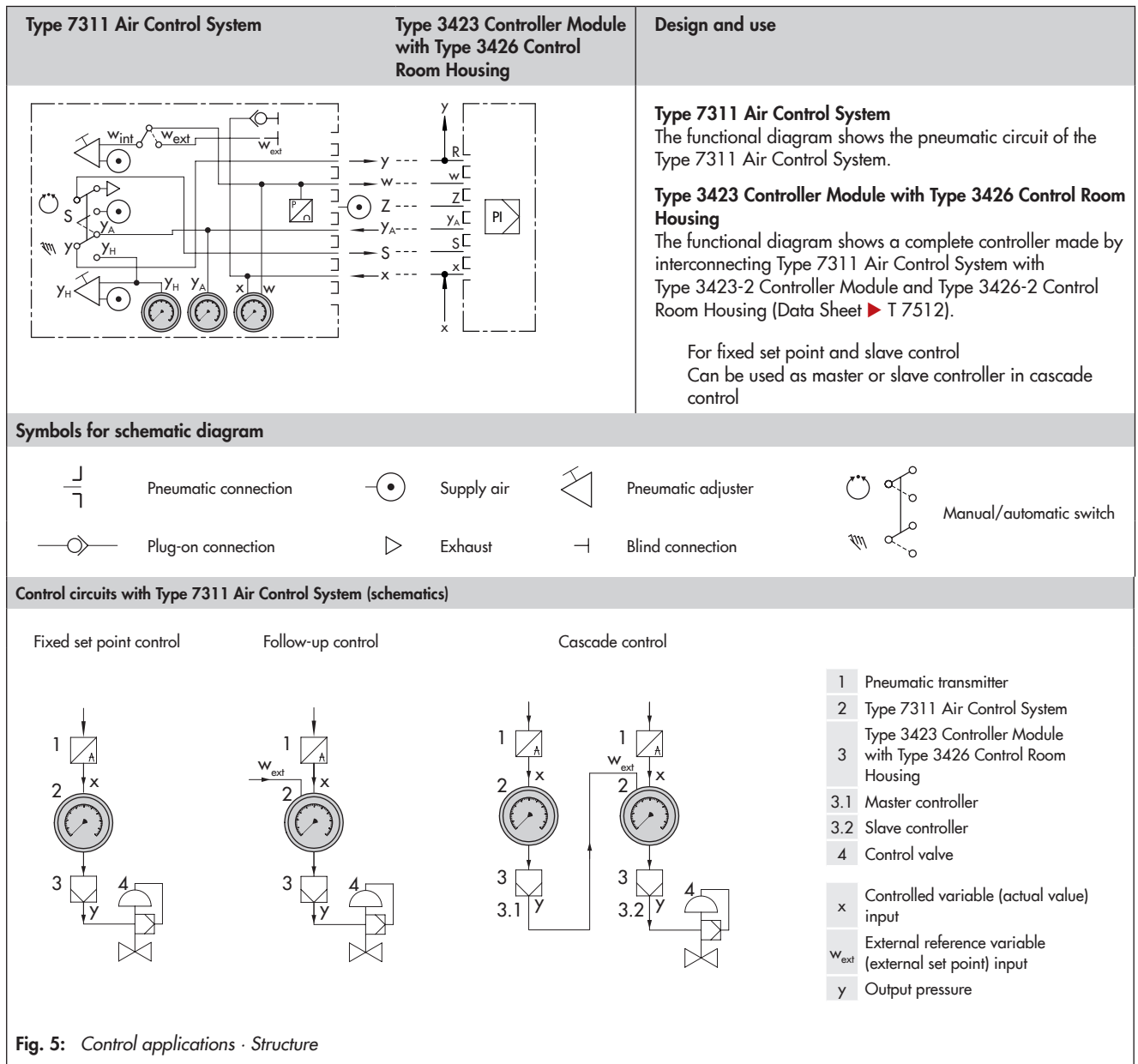
### Pneumatic connections

**Type 3426-5:** hose connection with 4 mm inside diameter and 6 mm outside diameter

**Dimensions**



**Fig. 4:** Dimensions



**Fig. 5:** Control applications · Structure

