

Controller
Type 3223

control signals

Heat pump
Type 3254

model
inputs

model
outputs

Rest of the TRNSYS assembly
Building, weather file, schedules etc.

```
graph TD; Inputs[model inputs] --> Controller[Controller Type 3223]; Controller -- control signals --> HeatPump[Heat pump Type 3254]; Controller --> HeatPump; HeatPump -- model outputs --> Assembly[Rest of the TRNSYS assembly]; Assembly --> Inputs;
```

The diagram illustrates the data flow in a TRNSYS assembly. At the bottom, a large gray block represents the 'Rest of the TRNSYS assembly', which includes the 'Building, weather file, schedules etc.'. From this block, 'model inputs' are sent upwards to the 'Controller Type 3223'. The Controller then sends 'control signals' to the 'Heat pump Type 3254'. Additionally, there is a direct signal path from the Controller to the Heat pump. Finally, the Heat pump sends 'model outputs' back down to the 'Rest of the TRNSYS assembly'.