

THERMAL LOAD PREDICTION SYSTEM

ABSTRACT

5 There is a problem in that it is difficult to predict a thermal load for each air-conditioning zone when the thermal load in a building is learned based on a thermal load of each outdoor unit. A thermal load prediction system (1) includes an environmental data acquisition unit (191), an operation data acquisition unit (192), a storage unit (11), a learning unit (193), and a prediction unit (194). The environmental data acquisition unit (191) acquires external
10 environmental data (D1) and internal environmental data (D2) of an air-conditioning zone. The operation data acquisition unit (192) acquires operation data (D3) of an air conditioner configured to perform air conditioning for the air-conditioning zone. The storage unit (11) stores data acquired by the environmental data acquisition unit (191) and the operation data acquisition unit (192). The learning unit (193) trains the model (M1, M2) with which the
15 thermal load of the air-conditioning zone is predicted by using learning data (LD1, LD2) obtained from the storage unit (11). The prediction unit (194) predicts the thermal load of the air-conditioning zone using the model (M1, M2).

Figure 4