



| v3 - LEED India 2011

## Controllability of systems - thermal comfort

EQc6.2 | Possible 1 point

Glossary

### Intent

To provide a high level of thermal comfort system control<sup>32</sup> by individual occupants or groups in multi-occupant spaces (e.g., classrooms or conference areas) and promote their productivity, comfort and well-being.

### Requirements

Provide individual comfort controls for 50% (minimum) of the building occupants to enable adjustments to meet individual needs and preferences. Operable windows may be used in lieu of controls for occupants located 20 feet (6 meters) inside and 10 feet (3 meters) to either side of the operable part of a window. The areas of operable window must meet the following requirements:

- The openable area must be at least 4% of the net occupiable floor area. If an opening is covered with louvers or otherwise partially obstructed, calculate the openable area based on the free, unobstructed area.
- If an interior space without direct openings to the outdoors is ventilated through an adjoining room, the opening between the rooms must be permanently unobstructed and be at least 8% of the area of the interior room or 25 square feet (2 square meters).
- Whenever the space is occupied, building occupants must have a readily accessible way to control the opening.

Provide comfort system controls for all shared multi-occupant spaces to enable adjustments that meet group needs and preferences.

Use the thermal comfort conditions as described in ASHRAE standard 55-2004 (with errata but without addenda) with respect to the primary factors of air temperature, radiant temperature, air speed and humidity. **(OR)** Define thermal comfort conditions through an alternative Local standard by demonstrating equivalency to ASHRAE 55-2004 with respect to the above primary factors.

<sup>32</sup> For the purposes of this credit, comfort system control is defined as control over at least 1 of the following primary factors in the occupant's vicinity: air temperature, radiant temperature, air speed and humidity.