

8.1.20 Capacitor Banks shall be provided with forced ventilation and also use double enclosures ensuring adequate ventilation limiting the temperature rise for outdoor /open to sky area installations. Trip mechanism with alarm shall be provided to operate in case of failure of the ventilation/ excess temperature rise.

8.2 UNDER VOLTAGE (U.V.) RELAYS WITH AUTO-RESET TIMER

8.2.1 All air-conditioners or air-conditioning units/plants/equipment installed within the consumers' installation shall be provided with Under Voltage (U.V.) relays with fixed voltage cut off setting at 75% of the nominal supply voltage, within 0.2 seconds and auto-reset timer with adjustable time setting between 5 and 10 minutes.

8.2.2 The circuit breakers/contactors associated with the under voltage (UV) relays, shall have 'auto closing' facility (motorised operation) to restore supply to the chillers/air conditioning units, after normalization of supply voltage, when the relay is reset automatically.

8.2.3 The auto-reset timer of the U.V. relays shall be set at values specified in the schedules, approved by DEWA, to suit individual installation. Necessary provision for sealing may be incorporated in the relay to restrict access for adjustments of the setting.

8.2.4 The U.V. relays with auto-reset timer shall normally be incorporated within the respective air-conditioning unit/equipment or in their control panels. For normal air-conditioners, provision of U.V. relays with auto-reset timer within the consumers' distribution board shall be permitted for individual or group of units. Prior approval shall be obtained from DEWA on every such application.

8.2.5 The U.V. relays with associated controls shall be checked and maintained regularly.