



SMCS/GEN/036/2011 (Cir-29)

16.01.2011

To
Manufacturers / Supplier
Consultants/Electrical Contractors/Consumers

Dear Customer,

DEWA Regulations for Electrical Installations
U.V. (Under Voltage) Relay For Chiller Equipment / Plant

Revised cut-off time setting

The Authority is constantly endeavoring to provide safe and reliable power supply to its consumers. We thank you for your valuable co-operation and co-ordination with us to provide you the best services.

We refer to the Clause Section 8.2 of DEWA Regulations for Electrical Installations, regarding provision of Under Voltage (U.V) Relays for Air-Conditioning Equipment within consumer installations.

Please be informed that the cut-off time of the Under Voltage (U.V.) Relay to be incorporated for **Chiller Equipment/Plant** is amended from 100ms to 200ms. Hence, the amended requirements for Under Voltage (U.V) protection for Chiller Equipment/Plant is given below:-

All Chiller Equipment/Plant to be 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 (200 ms) and auto-reset timer with adjustable time setting between 5 and 10 minutes.**

Suitably rated **Circuit Breakers with motorized operation** for auto re-closing, or **contactors**, shall be incorporated along with the relay for automatic disconnection and re-connection of the power supply to the Equipment/Plant.

Please arrange to incorporate the above changes in the manufacturing of the Under Voltage (U.V.) Relays, as above.

Requirement of the U.V. Relays with revised cut-off setting shall be implemented in all applicable projects with a maximum time limit till 31st December 2011.

Thanking you in anticipation of your full cooperation.

Yours faithfully,
For DUBAI ELECTRICITY & WATER AUTHORITY


Rashid Bin Humaidan
(Executive Vice President – Distribution Power)



Sword of Honour
BRITISH SAFETY COUNCIL