

# SYCON-772X - Protection Relay - Earth Leakage Relay with Display



Earth leakage current give rise to temperature and progressive failure of insulation which leads to operating flash over. It is essential to detect earth leakage current well before they cross threshold limits and isolate the circuit. SYCON – 772X Earth leakage Relay continuously detects the leakage current with the help of CBCT (Core Balance Current Transformer.) The CBCT is mounted externally. The overall load current whose leakage current is to be detect, current carrying cables it may be 3 phase supply or 1 phase supply are passed through the CBCT. CBCT detects the level of current and trip the device at set current & time.

Order code	Current Range	Tripping Time
SYCON 7721	30 mA to 300 mA	0.15 Sec To 3 Sec
SYCON 7722	300 mA to 3 A	0.15 Sec To 3 Sec
SYCON 7723	1 A to 8 A	0.15 Sec To 3 Sec

## General Features

- Solid state
- Wide operating current range.
- Low power consumption
- Variable current and time setting
- Ideal for compliance to I E rule 61-A.

## Display Features

- Healthy & Fault Indication
- Leakage Current

### Control Features

- Site settable Current & Time
- Reset Facility
- Test Mode Facility

### Electrical Specifications

<b>Input Auxiliary Supply</b>	230 VAC (110&415 VAC optional)
<b>Current Sensitivity</b>	Variable from 30mA to 8A settable with DIP switches in three different models
<b>Trip Time</b>	From 0.15 Seconds to 3.00 seconds settable with DIP switches.
<b>Relay Contacts</b>	Potential free NO-C-NC, 10Amps at 250 VAC contacts.
<b>Trip Indication</b>	Display
<b>CBCT</b>	65mm, 100mm, 150mm, 200mm other diameter on request

### Mechanical Specifications

<b>Dimensions</b>	96(L)x96(W)x80(D) mm
<b>Panel Cut Out</b>	91mm x 91 mm