INTELLIGENT LOAD MANAGER

The intelligent load manager ILM 4600 is used to protect the overshoot of demand from the sanctioned demand. It facilitates controlling of up to three independent loads by continuously monitoring the demand . It has RS 485 serial port with MODBUS RTU/ASCII protocol to communicate with PC thereby providing an ideal source for effective energy management. Apart from this the user can also check various parameters simultaneously.

ORDER CODE	DESCRIPTION
PE 4600	Available with block window method.
PE 4600-T	Available with block window & TOD facility
PE 4600-P	Available with block window & predictive demand.
PE 4600-BTP	Available with block window, TOD & predictive demand facility.
PE 4600-S	Available with sliding window method.
PE 4600-ST	Available with sliding window & TOD facility

FEATURES

❖ Large alphanumeric LCD Display
  (4 x 16 characters)

DISPLAY FEATURES

❖ Phase to neutral & phase to phase voltage.
❖ Current of each phase.
❖ KW of all phases & total KW.
❖ KVA of all phases & total KVA.
❖ KVAH of all phases & total KVAH.
❖ KVAR of all phases & total KVAR.
❖ Instantenious PF of all 3 Phases.

MECHANICAL SPECIFICATIONS

❖ Front Bezel Size   144(L)x144(W)x80(D)mm
❖ Panel cutout Size 138 mm x 138 mm
❖ Weight   1.5 kg

ELECTRICAL SPECIFICATIONS

❖ Voltage Input   415V AC +/-15%
❖ Current Input   --/5A
                      --/1A (optional)
❖ Frequency   50/60Hz
❖ Switching Contact   10 A at 250V AC
❖ Accuracy   1 digit

GENERAL FEATURES

❖ 1 Alarm point and 3 tripping point (potential free)
❖ PC interface facility with RS-485.
❖ True RMS measurements.
❖ Model available for LT as well as HT.
❖ Selectable display of present & previous KVA.
❖ Facility for Date & time settings.
❖ Uses advanced DSP processor.
❖ Easy readability on alphanumeric back little LCD Display.
❖ Low PT, CT burden.
❖ Auto reset facility for maximum demand with programmable date & time.
❖ Cost effective energy management solution.
❖ Easy user interface & easy installation.
❖ Confirms to IEC standards.
❖ Rugged & can be used under extreme environmental condition.

WIRING DIAGRAM

Connection Drawing For Precise 4600 (3 Phase 3 Wire)

Connection Drawing For Precise 4600 (3 Phase 4 Wire)