THERMAL ENERGY METER

INTEGRATOR

FLOW METER
WITH TEMPERATURE SENSORS

FEATURES

- Microprocessor based thermal energy metering device
- Consists of three components: Flow Meter, Integrator and Temperature Sensors
- Indicates flow total, heat total, temperature and temperature difference
- Relay output for energy total and flow total
- 8 character x 2 line, alphanumeric, dot matrix, STN LCD display with back light
- Calculates thermal energy by measuring liquid flow in a closed pipe system and measuring temperature at the inlet and outlet points
- Power fail data retention
- Password protection
- RS 485 network communication to PC optional

BENEFITS

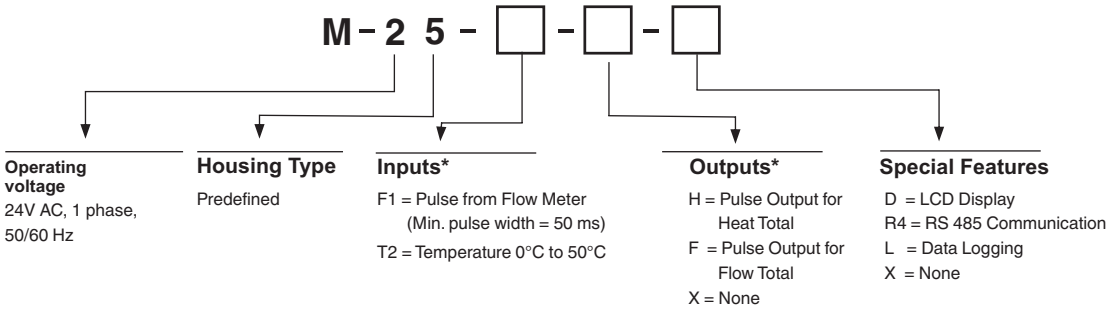
- Energy billings at actual consumption
- Prevents wastage of energy by tenants
- Can also be used as Flow Meter/Totalizer

TECHNICAL DATA

Sensing element	Temp.	: NTC Thermistor
	Flow	: Flow meter with pulsed output
Measuring range	Temp.	: 0°C to 50°C
	Flow	: 1-200 pulses/min
Display resolution	Temp.	: 0.1°C
	Flow total	: 0.001 KL*
	Heat total	: 0.001 Mcal**
Max. display value		: 6 digits
Output options		: Relay output for Energy total or Flow total
Operating voltage		: 24V AC
Terminals		: Accept Max. 2.5 sq. mm cable
Permissible ambient temperature		: -20°C to + 40°C
Protection		: IP 30

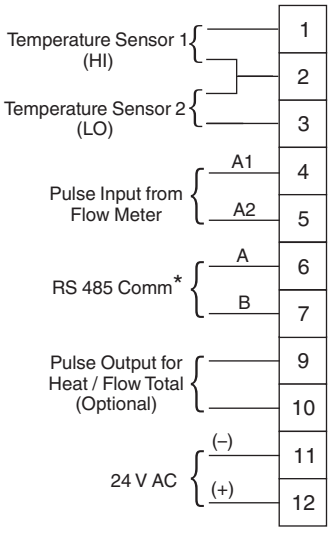
* KL - Kilo Litres
** Mcal - Mega Calories

MODEL DESIGNATION



* Incase of more than one input/output, the multiple input/outputs shall be specified in the same block, i.e., F1.T2.
* Incase of input from external sensor add E to that input, i.e., EF1.ET2.

WIRING DIAGRAM



* wherever applicable

06/11

Subject to technical alteration