

1 - General:

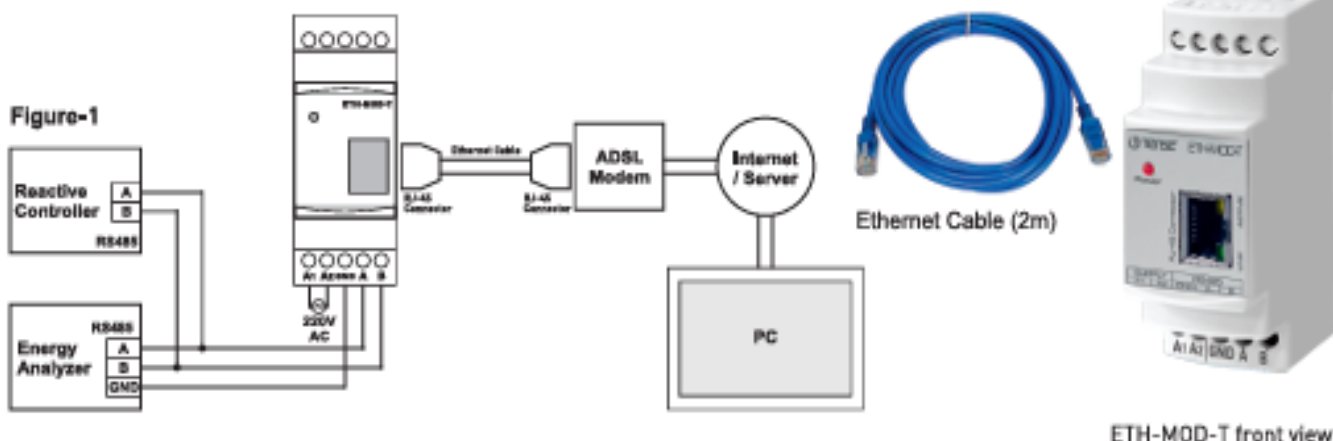
Reading of all the data related to the reactive relay, energy analyzers and multimeters connected to ETH-MOD is provided remotely (using LAN and WAN). It can be, archive and report the instant energy consumption of the company by obtaining the network analyzer data, capacitor power values can be obtained through the compensation system, stage tests can be done, retroactive power flow graphics can be charted, active/reactive consumption values can be archived and reported, the current and voltage irregularities, reactive rations and the faults occurred in the system can be detected from a distance.

Remote communication is provided through energy analyzer and reactive relay on www.tenseenerji.com (remote server) by using WAN or LAN connection.

2 - Serial Number and Modbus Address

If more than one device is connected to the ETH-MOD's RS485 interface, the Modbus IDs of the devices must not be the same. Otherwise, you can receive wrong data.

3 - Connection Diagram



The maximum cable length of RS485 is 1000 meter. (It is recommended that the conductivity resistance of the cable to be used should be a maximum of 13 ohms/km). If Cable length and number of device is rising you can 120 ohm resistor supplied with device. Connection speed increase with cable length decreases and connection speed decrease with cable length increases. Ethernet Modem supports maximum 32 devices.

4 - Technical Specifications :

Operating Voltage	85V - 300V AC
Operating Frequency	50/60Hz
Operating Temperature	-20°C.....55°C
Air ESD Protection	10kV
Impact Resist	1500V
Operating Power	1VA(system standby), 6VA(system communicate)
Display	Power, Active and Link LEDs
Connection Features	Max. 115200bps
	Modbus Communication[Analyzers and Reactive Controllers]
	RS485 interface with max. 32 devices
	TCP/IP Communication Protocol
Connection Type	Modem with internet connection
Connection Speed	10 / 100 Mbps Ethernet
Weight	<200gr.
Protection Class	IP20
Operating Altitude	<2000m

5 - Dimensions:

