

Power supply

| | |
|-------------------|-------------|
| Supply voltage | 12 to 30VDC |
| Power consumption | 0.5 Wmax |

Serial interface

| | |
|------------------------------|--|
| Serial standard | RS485 |
| No. of ports | 1 |
| Connector | Green 3 pin screwable terminal H-19mm * W10.5mm, Pitch 5.06mm |
| RS485 signals | Data+, Data- |
| Protocol | Modbus RTU |
| RS485 data direction control | Auto |
| Baudrate | 300 to 115200 bps |
| Parity | None, odd, even |
| Stop bits | 1,2 |
| Data bits | 7,8 |

Ethernet interface

| | |
|-------------------------------|----------------------------------|
| No. of ports | 1 |
| Connector | 8 pin RJ45 |
| Speed | 10/100 Mbps |
| Transmission distance | Max upto 100 m |
| Protocol | TCP (server, client), Modbus TCP |
| Standards | IEEE802.3, IEEE802.3u |
| Magnetic isolation protection | 1.5KV |
| IP configuration | DHCP/Auto IP, static IP |
| Signals | Tx+, Tx-, Rx+, Rx- |

Configuration

| | |
|------------------------|---|
| Windows utility | Used for Ip finding, network configuration, serial configuration |
| OS Support for Utility | 32-bit/64-bit Windows XP/Vista/7/8/8.1/10, windows server 2003/2008/2008 R2/2012 R2 |

LED indication & Reset key

| Indicator | Function | Description |
|--------------|---------------------|--------------------------------|
| Power | Power on | Converter has power |
| Link | Network link | ON when network is connected |
| TX | RS485 transmit data | Flashing when sending data |
| RX | RS485 receive data | Flashing when receive data |
| Reset switch | Factory reset | Reset switch for factory reset |

Environmental condition

| | |
|---------------------------|--------------|
| Operating temperature | 0 to 55°C |
| Storage temperature | -10 to 80°C |
| Ambient relative humidity | 95% RH |
| Enclosure | Plastic body |
| Dimensions | 2M size |

Ethernet port

| PIN | SIGNAL |
|-----|--------|
| 1 | Tx + |
| 2 | Tx - |
| 3 | Rx + |
| 4 | --- |
| 5 | --- |
| 6 | Rx - |
| 7 | --- |
| 8 | --- |

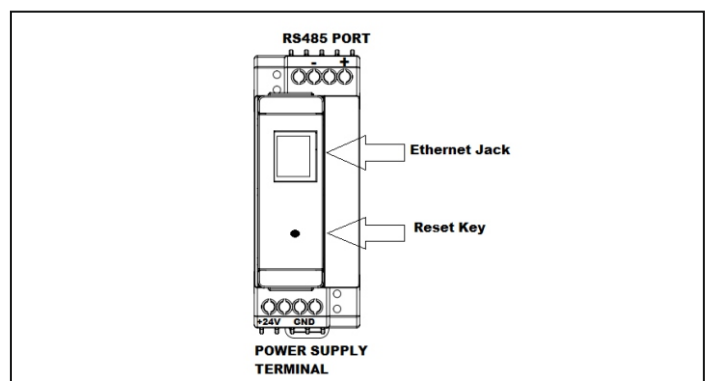
RS485 pinouts

| PIN | SIGNAL |
|-----|---------|
| 1 | RS485 + |
| 2 | --- |
| 3 | RS485 - |
| 4 | --- |

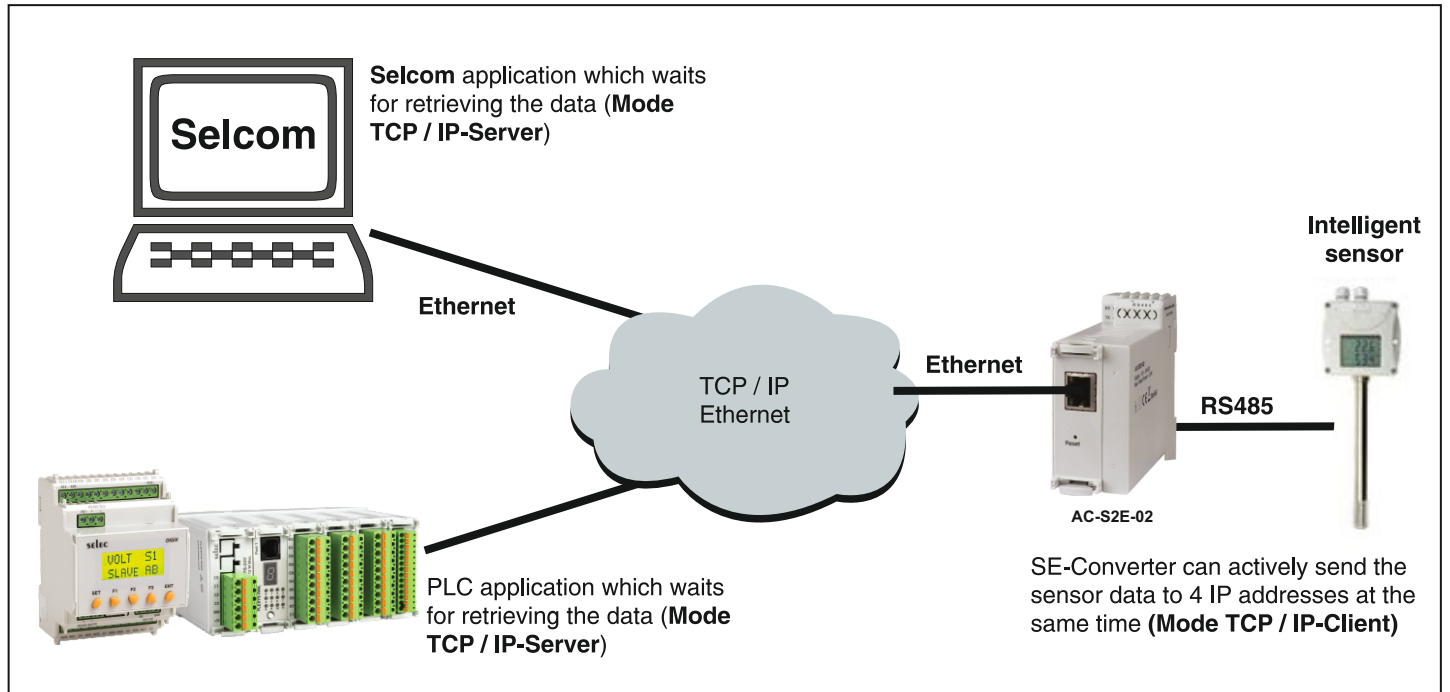
Power supply pinout

| PIN | SIGNAL |
|-----|--------|
| 1 | +VCC |
| 2 | --- |
| 3 | GND |
| 4 | --- |

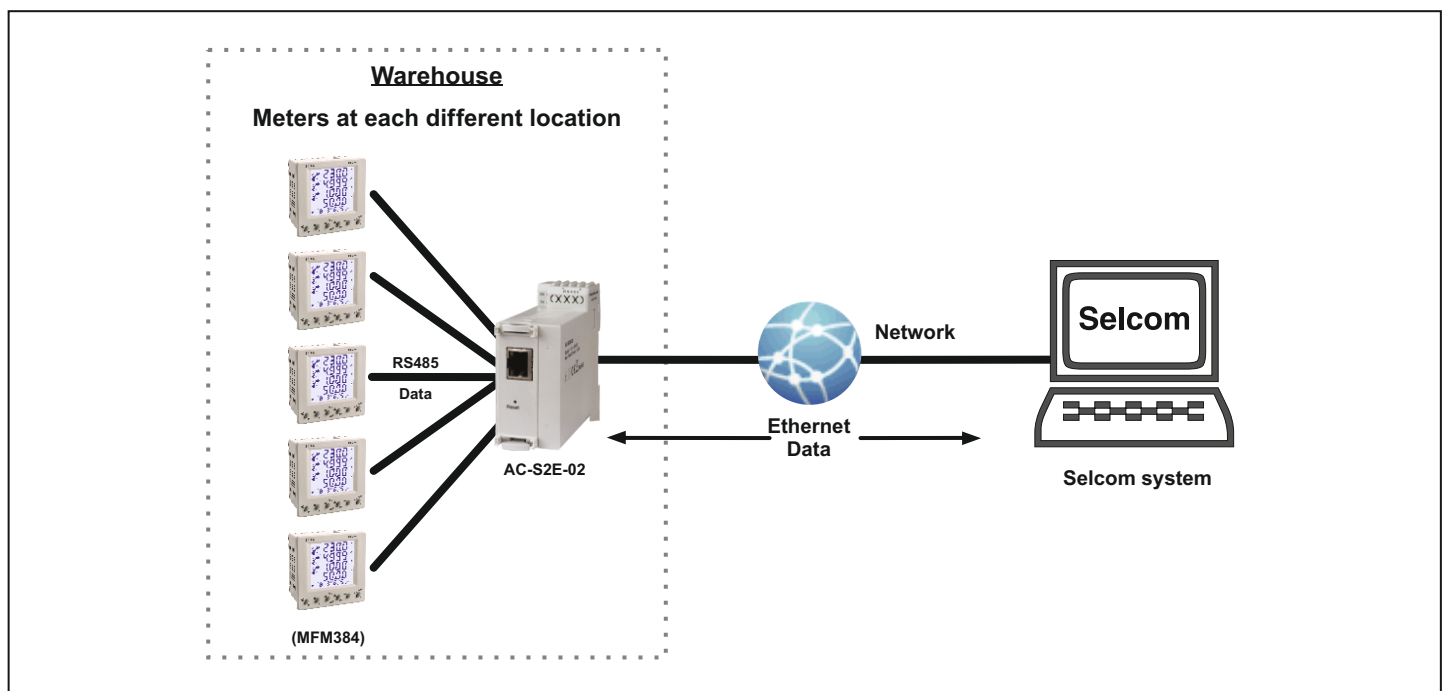
Connection diagram



Network diagram for client mode



Network diagram for server mode



Ordering information

| Product | Order code | Certification |
|-----------|------------|---------------|
| AC-S2E-02 | AC-S2E-02 | --- |