

## RS232 to RS485 Converter, Model SC04U XYYY



SC04U converts RS232 signals to RS485 and vice versa. SC04U is a bidirectional RS232 to RS485 Converter. These converters carry RS232 signals to long distance. This converter facilitates RS232 devices to be multidropped on the RS485. Hardened Protection features and unique Power supply design have been incorporated keeping in mind the high electrically noisy applications like Solar and Power

### Communication

|                |                                  |
|----------------|----------------------------------|
| INPUT / OUTPUT | : RS232                          |
| OUTPUT / INPUT | : RS485 / RS422. 2 Wire & 4 Wire |
| SPEED          | : 1200 to 115000 bps             |
| CABLE DISTANCE | : 1200 m                         |
| INDICATION     | : LED's for TX & RX and Power    |

### Mechanical

|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| CONNECTOR – <u>Input</u>  | : DB9 Female                                                        |
| CONNECTOR – <u>Output</u> | : Screw Terminals                                                   |
| CONNECTOR – <u>Power</u>  | : Screw Terminals                                                   |
| ENCLOSURE                 | : Phoenix Bopla, ABS, DIN Rail Mounting<br>55 x 110 x 75 mm [L D H] |
| WEIGHT                    | : 175g                                                              |

### Protection

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| OPTICAL ISOLATION       | : 3000 V DC for both RS232 & RS485                |
| GALVANIC ISOLATION      | : 3000 V DC between Power & RS232 & Power & RS485 |
| SURGE PROTECTION        | : 600W on all 485 lines                           |
| OVER CURRENT PROTECTION | : On all the Data lines                           |
| ESD PROTECTION          | : 15KV on RS232 & RS485 lines                     |

### Electrical

|                      |                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POWER SUPPLY Options | : 230 : 230V AC, Range 90 to 260V AC (Default)<br>: 24/48 : 24V DC or 48V DC<br>: 220 : 220V DC. Range 180 to 260V DC<br>: 110 : 110V DC, Range 110V DC to 265V DC |
| POWER CONSUMPTION    | : 1.2 watts                                                                                                                                                        |

### Operating conditions

|                   |                             |
|-------------------|-----------------------------|
| TEMPERATURE       | : 0 - 55°C                  |
| RELATIVE HUMIDITY | : 5 – 95 % - non-condensing |

### Model Code : SC04U XYYY

|                 |         |           |                                          |
|-----------------|---------|-----------|------------------------------------------|
| Base Model Code | : SC04U |           |                                          |
| XYYY            | AYYY    | : A230    | : AC 230V. Range 90 to 260V AC (Default) |
|                 | DYYY    | : D220    | : 220V DC. Range 180 to 260V DC          |
|                 |         | : D110    | : 110V DC, Range 110V DC to 265V DC      |
|                 |         | : D24/D48 | : 24V DC or 48V DC                       |