



Features:

- EXP FLEX 2M-V3 is an independent / expansion module used with RS485 Communication
- Any Flexys I/O card can be configured (one card per module)
- Up to 7 numbers of EXP FLEX 2M-V3 devices can be connected to a Master Device
- RS485 Slave IN & OUT separate terminals (For easy loop & wiring)

Electrical Specification

| | |
|-----------------------------|--|
| Supply voltage | 24V DC ±10% |
| Power consumption | 2.5W |
| Reverse polarity protection | Yes |
| Isolation | No (Between power circuit and communication circuit) |

Functional Specifications

| | |
|---------------|---|
| Response time | 100ms to 2 sec based on number of EXP FLEX 2M-V3 devices configured + I / O card type |
|---------------|---|

DIP Switch Selection

| Slave ID | DIP Switch | | | |
|------------------|------------|-----|-----|-----|
| | 1 | 2 | 3 | 4 |
| NA | | OFF | OFF | OFF |
| 1 | | OFF | OFF | ON |
| 2 | X | OFF | ON | OFF |
| 3 | | OFF | ON | ON |
| 4 | | ON | OFF | OFF |
| 5 | | ON | OFF | ON |
| 6 | | ON | ON | OFF |
| 7 | | ON | ON | ON |
| Baud Rate | | | | |
| 19200 | OFF | X | X | X |
| 115200 | ON | X | X | X |

LED Display

| LED Display | LED Color | Indication |
|-------------------|-----------|---|
| Power LED (PWR) | Green | Always On when device is powered |
| Receive LED (Rx) | Green | Blinks when EXP FLEX 2M-V3 device receives RS485 command from master |
| Transmit LED (Tx) | Red | Blinks when EXP FLEX 2M-V3 device transmits RS485 response to master |
| Error LED (Err) | Red | On - When I / O card is not connected |
| | | Flashing - 2 sec ON, 0.3 sec OFF - when I/O card is mismatched *1 Flashing - 0.3 sec ON, 0.3 sec OFF - when No Master communication is received for 6 secs OFF - successful operation |

*1 : When configured I/O card in SELPRO / FLEX2MCOM software is different from connected I / O card EXP FLEX 2M-V3

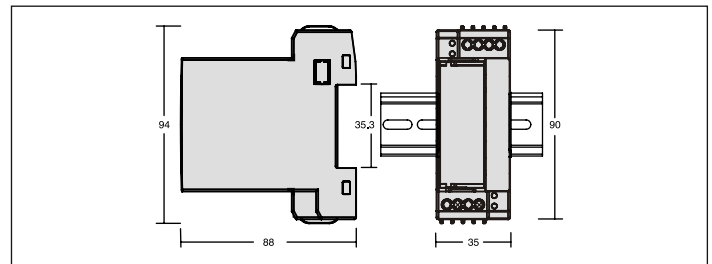
Communication

| | |
|------------------------|--|
| Communication Port | RS485 Slave |
| Communication Protocol | MODBUS RTU |
| Baud Rate | 19200 and 115200 (user configurable) (Default + 19200) |
| Fixed Settings | Parity = None (N), Stop bits = 1, Data length = 8 |

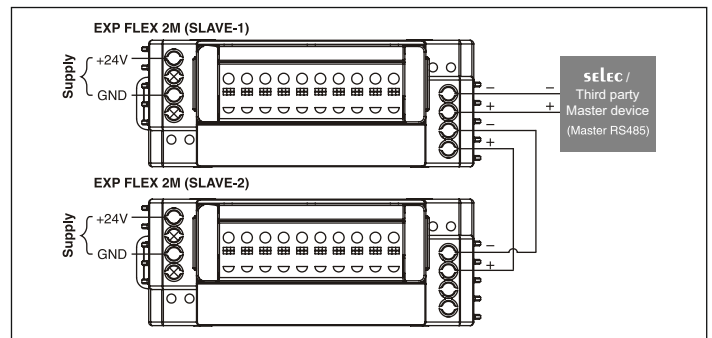
Environmental Specifications

| | |
|---------------------------|------------------------|
| Temperature | Operating : 0 to 50 °C |
| | Storage : -20 to 60 °C |
| Humidity (non-condensing) | 10% to 95% RH |

Dimensions (in mm)



Terminal Connection



Ordering Information

| Product Code | Description | Certification |
|----------------|------------------|---------------|
| EXP FLEX 2M-V3 | Expansion module | --- |