

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			
Slave ID	1	2	3	4
NA		OFF	OFF	OFF
1	X	OFF	OFF	ON
2		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	Χ
115200	ON	X	Χ	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

 $^{^{\}star 1}$: 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

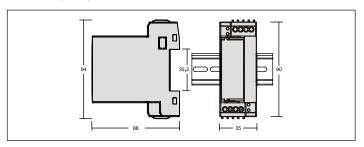
Baud Rate 19200 and 115200 (user configurable) (Default + 19200)

Fixed Settings Parity = None (N), Stop bits = 1, Data length = 8

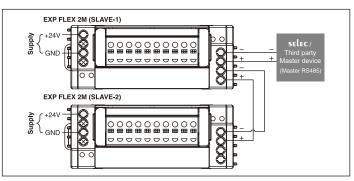
Environmental Specifications

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	

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