Data Display Module

Model : FND15



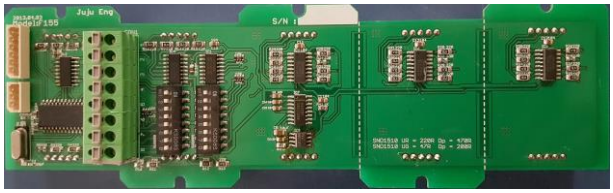
주주엔지니어링

Descriptions

FND15는 본사에서 납품하는 집합형 전광판에 부착되어 Data를 표시하는 1.5인치 Display Unit이다. 각종 Instrument 또는 System으로부터 Serial Communication 입력을 통해 Data를 지시한다.

Modbus (J-BUS) Serial Communication 통신시 BCD S/W에 의한 Address 및 모드 설정, 소수점 위치 설정으로 외부에서 전송된 신호를 표시한다.





Specifications

Data Display

- Data processor
- Serial Communication (RS232C)
- CRC16 Error Check

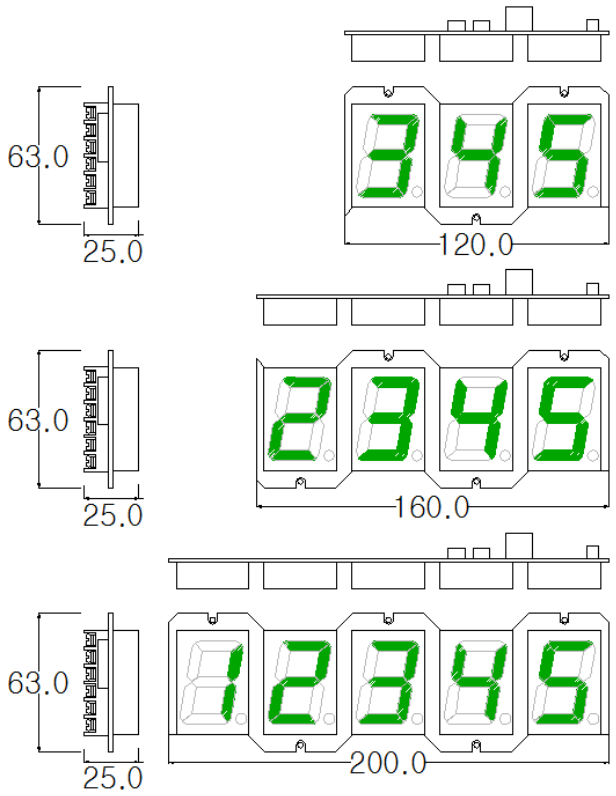
Mechanical

- Dimension :
  FND153 : 120(W)*63(H)*25(D)
  FND154 : 160(W)*63(H)*25(D)
  FND155 : 200(W)*63(H)*25(D)

- Weight : 0.5Kg 이하

Environmental

- Storage Temperature : -10℃ to +85℃
- Operating Temperature : 0℃ to +50℃
- Input Power : 5V DC



Outline Drawing

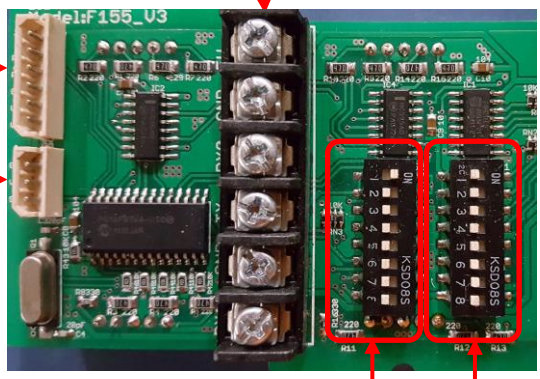
◆ Connections & S/W Setting

TB 번호	Descriptions	Remarks
1	DC5V	Power
2	0V	
3	RX	RS-232c Serial Communication
4	TX	
5	COM	
6	RX1	RX Signal transmission

TB
5V
GND
RX
TX
Com
RX1

ICSP CONNECTOR
6 : NC
5 : PGC(PCLK)
4 : PGD(PDA)
3 : GND
2 : VCC(5V)
1 : VPP(MCLR)

LCD
3 : GND
2 : VCC
1 : Data

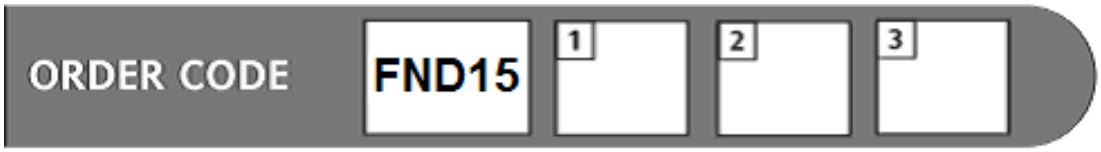


DIP SW2
1 : Tx Enable
2 : Tx Enable
3 : Not Connected
4 : Not Connected
5 : Not Connected
6 : Decimal Point 4
7 : Decimal Point 2
8 : Decimal Point 1

Decimal Point (DP)
DP=0 : Without Dot
DP=1 ~ 4 : xxxx.x ~ x.xxxx
DP=5 : 2Digit Auto DP Display
Data>=100 : xx (Without Dot)
Data<=99 : x.x (With Dot)
DP=6 : 모든 자리의 0 을 표시안함

DIP SW1
0 : Address 1
1 : Address 2
2 : Address 4
3 : Address 8
4 : Address 16
5 : Address 32
Mode Select
6 : Mode 1
7 : Mode 2
Mode =0; General Data
Mode =1; Time Data
Mode =2; Data=Data*2
Mode =3; Data=Data*4

Ordering Information



FND15: Base Code For 1.5" FND Display Module

1 : Data Digit Number : 3~5

2 : Serial Communication Mode : M – Master (J-Bus)

S - Slave (J-Bus)

3 : FND Color : R – Red

G - Green

* Ordering Examples

FND15 / 3 / M / G : 1.5" Green Color 3 Digit FND Display, JBUS Master

FND15 / 5 / S / R: 1.5" Red Color 5 Digit FND Display, JBUS Slave

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