

Aptus Automation

Indicator

User Manual

Notice before start-up

Please confirm the specification of instrument is to totally with your requirement before using it, also read this manual in detail.



Danger

Danger! Electric Shock! DON'T touch AC power wiring terminals when instrument has been powered!

Keep the power off until all of the wirings are completed!



Warning

- 1) Please confirm the AC power wiring to instrument is correct, otherwise it would be caused aggravated damage on instrument.
- 2) Be sure to use the rated power supply, otherwise it would be caused aggravated damage on instrument.
- 3) Please confirm wires are connected with correct terminal (Power, Input and Output).
- 4) Avoid installing instrument in following spaces:
I. A place where the ambient temperature may reach beyond the range from 0 to 50°C

II. A place where the ambient humidity may reach beyond the range from 20 to 90% RH.

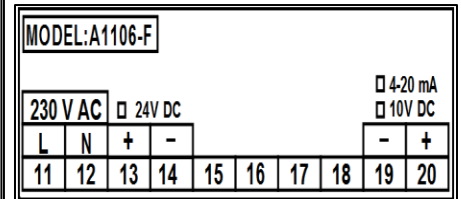
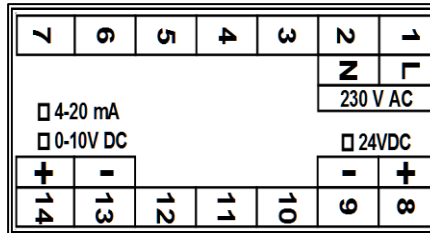
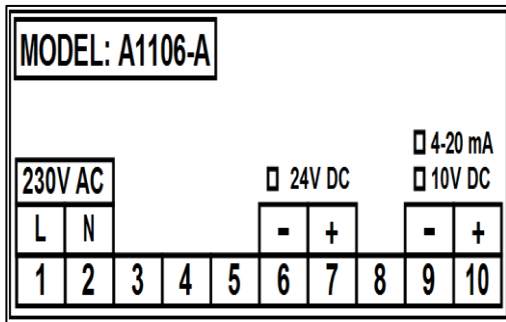
III. A place where the instrument likely to come into contact with water, oil, chemicals, steam and vapor.

IV. A place where the instrument is subject to interface with static electricity, magnetism and noise.

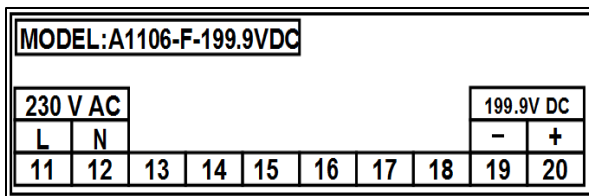
TECHNICAL SPECIFICATIONS

Product Name	: Indicator
Model No.	: A1106-A-D-F-D2
Input	: Factory Set (Any One from List) 0-10 V DC, 0-5 V DC, 1-5 V DC, 0-20 mA, 4-20 mA, 0-1 mA, 0-75 mV, 300 V DC, 0-199.9V DC 500 V DC
Range	: -999 to 9999
Resolution	: 9.999 / 99.99 / 999.9 / 9999
Accuracy	: Better than $\pm 0.5\%$ of Full Scale
Power Supply	: 230VAC $\pm 10\%$, 50Hz
Display	: 4 Digits RED Seven Segment Display

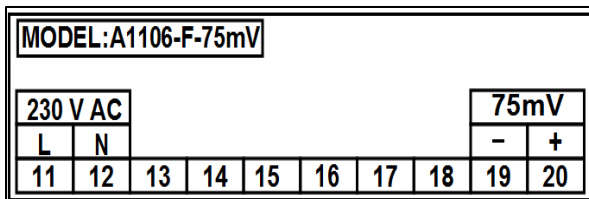
TERMINAL DETAIL



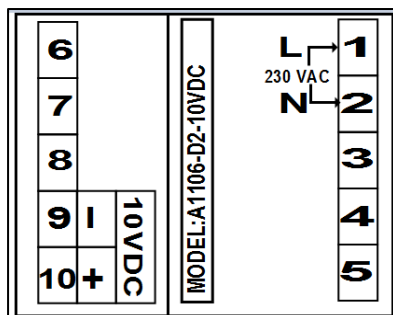
INPUT TYPE	A1106-A	A1106-D	A1106-F
230 V AC Power supply	Terminal 1 & 2	Terminal 1 & 2	Terminal 11 & 12
VDC or mA (INPUT)	Terminal 10 (+Ve) & 9 (-Ve)	Terminal 14 (+Ve) & 13 (-Ve)	Terminal 20 (+Ve) & 19 (-Ve)
Transmitter Supply	Terminal 7 (+24V) & 6 (-)	Terminal 8 (+24V) & 9 (-V)	Terminal 13 (+24V) & 14 (-V)



INPUT TYPE	A1106-F-199.9VDC
230 V AC Power supply	Terminal 11 & 12
0 to 199.9 VDC (INPUT)	Terminal 20 (+Ve) & 19 (-Ve)



INPUT TYPE	A1106-F-75mV
230 V AC Power supply	Terminal 11 & 12
0 to 75mV (INPUT)	Terminal 20 (+Ve) & 19 (-Ve)



INPUT TYPE	A1106-D2-10VDC
230 V AC Power supply	Terminal 1 & 2
0 to 10V (INPUT)	Terminal 10 (+Ve) & 9 (-Ve)

PARAMETER SETTING MENU:

- To configure the parameter settings, press the SETKEY for 3 seconds and follow the below table....

KEY	DISPLAY	FUNCTION
POWER ON	0000	Initialization of the Instrument. Shows input type.
SET for > 3 sec	rngL	Press the SET KEY to set this parameter.
SET	0000	Range Low: This is the Range Low parameter for PV. Setting range = -999 to 9999 counts, according to decimal point selected.
SET	rngH	Press the SET KEY to set this parameter.
SET	1000	Range High: This is the Range High parameter for PV. Setting range = -999 to 9999 counts, according to decimal point selected.
SET	dP	Press the SET KEY to set this parameter.
SET	999.9	Decimal Point: This is the decimal point parameter used for PV display. Setting range = 9.999 / 99.99 / 999.9 / 9999
SET	Corr	Press the SET KEY to set this parameter.
SET	0000	Correction Factor: This is the correction factor. Setting range = -999 to 9999 counts, according to decimal point selected.
SET	FLtr	Press the SET KEY to set this parameter.
SET	0005	Filter: This is the filter parameter for PV reading. Setting range = 1 to 15 counts.
SET	-	Press the SET KEY to save changes and Exit from setting menu.

DISPLAY MESSAGES

DISPLAY	DESCRIPTION
IPHI	Input Signal higher than higher range setting.