

FEATURES

- Over voltage, Under voltage, Over frequency, Under frequency, Phase Asymmetry, Phase failure, Neutral Loss, Phase sequence monitoring system etc.
- True RMS measurement
- Trip Time delay, Recovery Time delay, Power ON delay
- Adjustable switching Hysteresis
- Two separate alarm relays operation

SPECIFICATIONS**DISPLAY**

3 Digits, LCD with Backlight

ELECTRICAL CONNECTION

3Ø-3 wire, 3Ø-4 wire

AUXILIARY SUPPLY

85 – 270V AC/DC

50 / 60Hz

OPERATING RANGE

50 – 288V AC (L-N)

85 – 500V AC (L-L)

FREQUENCY RANGE

45 – 65Hz

VA RATING

4VA max.

TRIP SETTINGS

Under Voltage : 50 to 288V AC (L-N)
[for 3Ø-4 wire]

85 to 500V AC (L-L)
[for 3Ø-3 wire]

Over Voltage : 50 to 288V AC (L-N)
[for 3Ø-4 wire]

85 to 500V AC (L-L)
[for 3Ø-3 wire]

Under Frequency : 45 – 65Hz

Over Frequency : 45 – 65Hz

Phase Asymmetry : 5 – 30%

TIME SETTINGS

Power ON Delay : 0.5–300sec.

Trip Time Delay : 0–300sec.

Recovery Time : 0–300sec.

Response Time

Under Voltage : < 120ms

Over Voltage : < 120ms

Phase Asymmetry : < 120ms

Phase loss : < 200ms

Phase sequence : < 250ms

HYSTERESIS

Voltage : 1 – 40V

Frequency : 0.2 – 2.0Hz

Asymmetry : 2 – 20.0%

RESOLUTION

Voltage : 1V

Frequency : 0.1Hz

ACCURACY

Voltage : $\pm 1\% \pm 2$ digits

Frequency : $\pm 0.5\% \pm 1$ digit

Time : $\pm 5\%$ of setting ± 120 ms

(Trip Time Delay, Power ON Delay,
Recovery Time Delay)

OUTPUT SPECIFICATIONS

2 Relays : Relay1 : 1C/O (SPDT)

Relay2 : 1C/O (SPDT)

RELAY RATING

NO (5A, 250V AC)

NC (3A, 250V AC)

LED INDICATION

LED1 : Continuously ON after trip

LED2 : Continuously ON after trip

ENVIRONMENTAL SPECIFICATIONS

- Indoor use

- Altitude of up to 2000 meters

- Pollution degree II

Temperature : Operating : -25°C to +55°C

Storage : -25°C to +70°C

Humidity : Up to 95% RH, non-condensing

MECHANICAL SPECIFICATIONS

No. of Push Buttons : 3

Size : 35mm width

Mounting : 35mm Din Rail Mount

Wire Size (max) : 4 sq.mm

Screw tightening torque : 0.5 N-M

WEIGHT

150 gms.

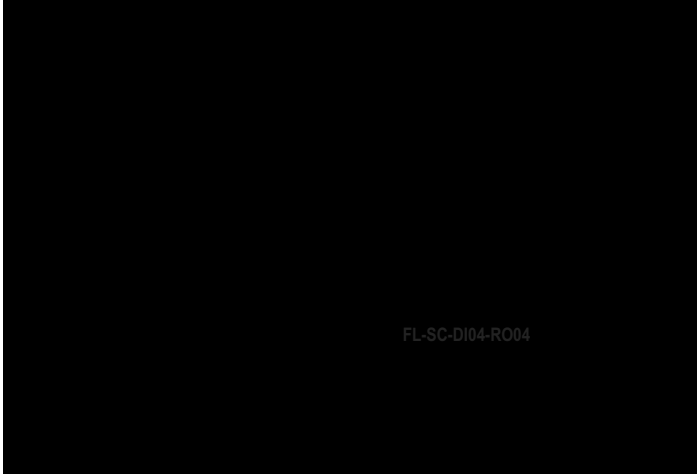


1. To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.
2. Wiring shall be done strictly according to the terminal layout with shortest connections. Confirm that all connections are correct.



1. To ensure the safe operati

Analog Outputs



FL-SC-DI04-R004

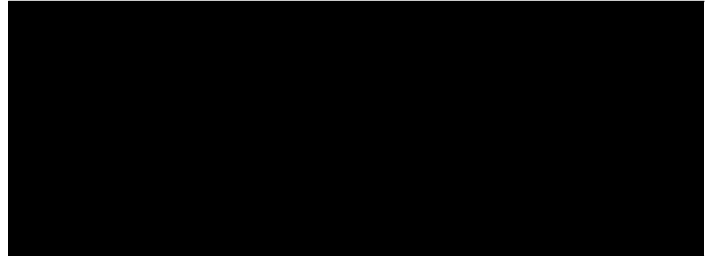
Power Supply

Flexys GT35-230V AC

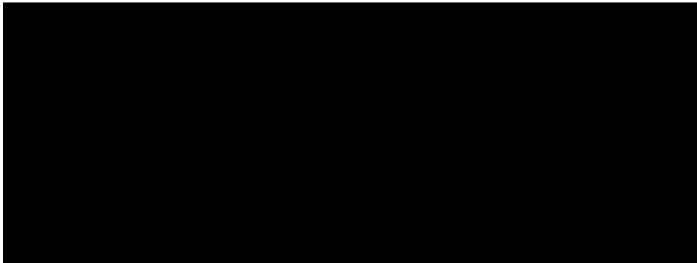
Flexys GT35-24V DC



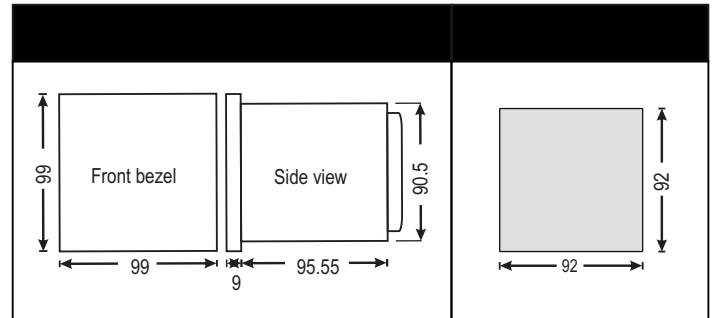
General Specification



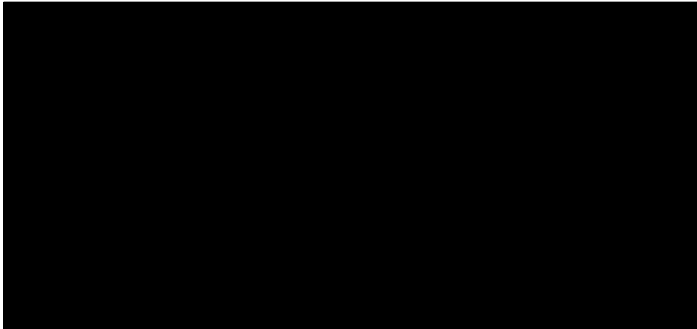
Functional Specifications



Dimensions (in mm)



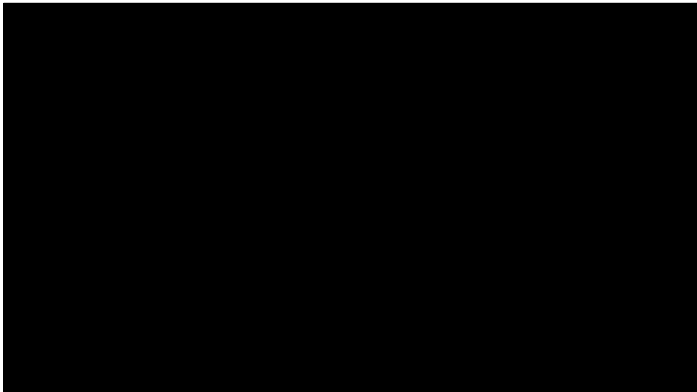
Communication



Port Description

Port 1 (6 Pin Jack)	Description

Functional Features



Ordering Information

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CE

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Supported I/O Cards

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Accessories

Accessories for Communication

AC-USB-RS485-03 (USB to 6 Pin RJ25 Jack)

AC-USB-RS485-02 (USB to 2 Pin Open Wire)

Expansion Module Cables & Adapter

ACH-004 (6 Pin to 6 Pin RJ25 Jack) for Expansion only (Cable)

AC- OEXP-03 (Port Expansion Adapter)

Window-Based Software for Ladder Programming

ACD-005

Relay Module

1) RLYMD-1-S4-1CO-24VDC : 4 Channel 1 Change Over Relay module

2) RLYMD-1-S4-2CO-24VDC : 4 Channel 2 Change Over Relay module

3) RLYMD-2-S8-1CO-24VDC : 8 Channel 1 Change Over Relay module

4) RLYMD-2-S8-2CO-24VDC : 8 Channel 2 Change Over Relay module

5) :

Power Supply Module

RP-3M-2.5A-24V DC, RP-3M-5A-24V DC

Expansion Modules on Master RS485

EXP-FLEX 2M : Expansion Module on Master RS485 (I/O same as Flexys I/O cards)