

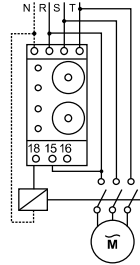
MP MONITORING RELAY

SHIVA **Amvaj**



Installation guide

Install the monitoring relay inside the enclosure and wire up according to the following diagram.



If P indicator turns on, swap two input phases.

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VER:9801

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Introduction:

Microprocessor based Shiva Amvaj monitoring relay is designed and manufactured in small size and with a high accuracy and capability of plumping (to avoid from changing device parameters by unauthorized individuals).

Using this device, it is possible to control disordering caused by phase loss, phase sequence, phase unbalance, over and under voltage in industrial and residential facilities.

After wiring, set sen-ΔU knob to max limit and set On Delay knob to min limit. Now turn on the motor and wait for a while until it reaches normal situation. When motor situation (under load) is normal, reduce sen-ΔU knob slowly until F indicator turns on.

Now increase sen-ΔU knob for a little bit until F indicator turns off. This is the best possible adjustment for motor to turn it off in case of any fault. Also ON delay is adjustable from 2 to 240 seconds according to existing conditions.

Note: In some motors when one phase is lost, due to reversal voltage which is about the lost phase, the monitoring relay cannot detect the power outage. So you are kindly offered to use a load monitoring relay as well.

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Features Of Shiva Amvaj MP Monitoring Relay

- Using the microprocessor based system for tight control of the input power
- Protection against:
 - Overvoltage and undervoltage
 - Phase sequence or phase unbalance
 - Disconnection of each phases
- 4 LEDs for indicating:
 - AC: input electricity
 - REL: relay connection
 - F: overvoltage, undervoltage or phase unbalance
 - P: phase sequence

(Flashing all LEDs: Phase and neutral replacement)
- Adjustable potentiometers for adjusting unbalance and connection time
- Capability of plumping the device panel

Respecting the customer is our duty



3 year no question asked guarantee under these conditions;
1-at most it should be within 3 years from the date printed on the label of the product
2-the label on the product should be safe and sound

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Technical Specifications

- Supply voltage: 180 - 250 VAC / R-N / 50 - 60 Hz
- Input voltage: 300 - 500 VAC / 3PH / 50 - 60 Hz
- Delay:
 - On Delay: 2-240 Sec
 - Off Delay: 3Sec
 - Disconnection for undervoltage after start: 10 Sec
- Disconnection for
 - Over voltage: 440V
 - Under voltage: 300V
 - Unbalance: 7-25%
- Ambient temperature: -20 °C .. +65 °C
- Ambient humidity: 70%
- Output: 5A relay

Shiva Amvaj products in accordance with international standards and with a 3 year no question asked guarantee are presented

ISO 9001-2015



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Shiva Amvaj Company is also

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