

NMP-05D

LOSS OF NEUTRAL: AN EFFICIENT SOLUTION!

Intelligent protection against long lasting mains over-voltages and under-voltages:

- **loss of neutral**
- **start-up of a Diesel generator...**

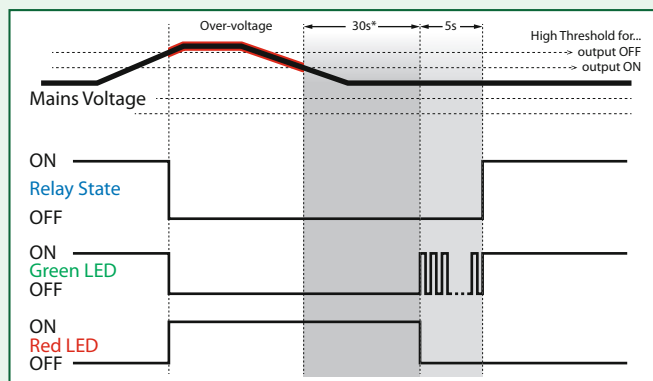


MAIN CHARACTERISTICS

- Protection against long lasting surges (>270Vac) and under-voltages (<180Vac)
- Switching of the mains Live ("L") by a 5A relay
- Insensitive to quick transients and micro brown-out's
- Small size, lightweight
- User selectable operating modes: Automatic and Manual
- Direct control of the relay possible by a push button (regardless of the chosen operating Mode)
- DIN rail and plate mountable
- Two LED status indication
- Extremely well suited for Public Lighting applications (installation in the luminaire or in the base of the pole)

MAINS OVER-VOLTAGE

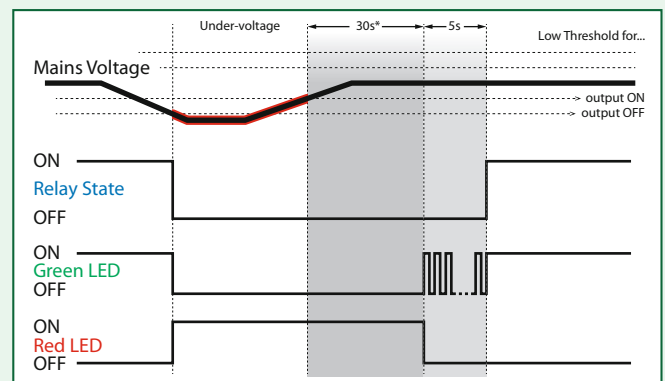
- The NMP-05D cuts the load from the mains supply within one second from when the mains voltage rises above 270V* (the relay opens)
- The reconnection of the load to the mains is authorized when the mains voltage falls below 260V*: an NMP-05D in Automatic mode immediately repowers the load (the relay switches on). In Manual mode, the relay remains initially open and closes after the push button has been pressed for five seconds (from 3 to 10s)



Over-voltage
(Automatic Mode)

MAINS UNDER-VOLTAGE

- The NMP-05D cuts the load from the mains within one second from when the mains voltage falls below 180V* (the relay opens)
- The reconnection of the load to the mains is authorized when the mains voltage rises over 190V*: an NMP-05D in Automatic mode immediately repowers the load (the relay switches on). In Manual mode, the relay remains initially open and closes after the push button has been pressed for five seconds (from 3 to 10s)



Under-voltage
(Automatic Mode)

* Default value, factory configurable

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Direct control of the relay

- An operator can at any moment and independent of the NMP-05D Mode, cut the load from the mains by pressing the push button for approximately five seconds
- The operator can in the same way repower the load, provided that the mains voltage is within the range 180V to 260V

Display of the actual Mode

- After having pressed the push button for a minimum of ten seconds, the two LEDs blink for twenty seconds either in a synchronous manner, indicating Automatic Mode or in an alternating manner, indicating Manual Mode

Switching between Automatic and Manual Modes

- After having pressed the push button for a minimum of ten seconds and during the twenty seconds blinking of the two LEDs, the operator can change the NMP-05D to the other Mode by pressing the push button for approximately five seconds

CHARACTERISTICS

Input parameters

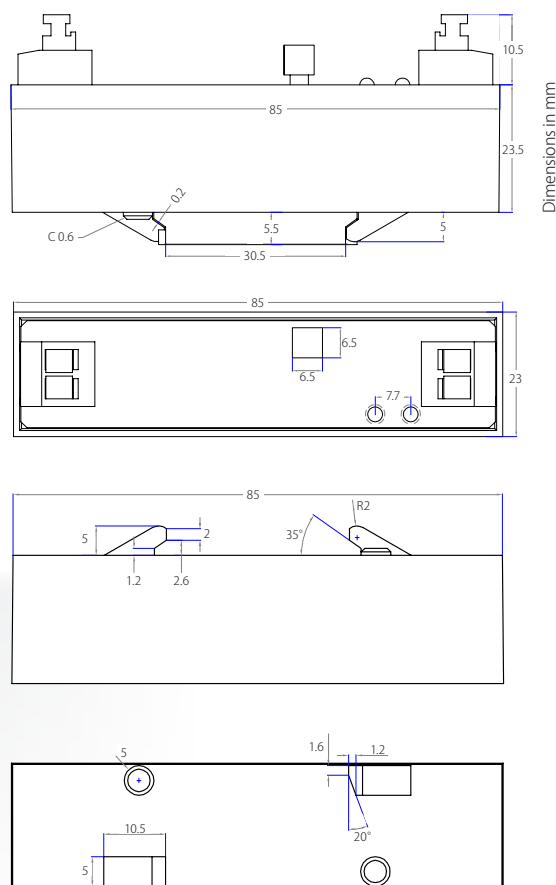
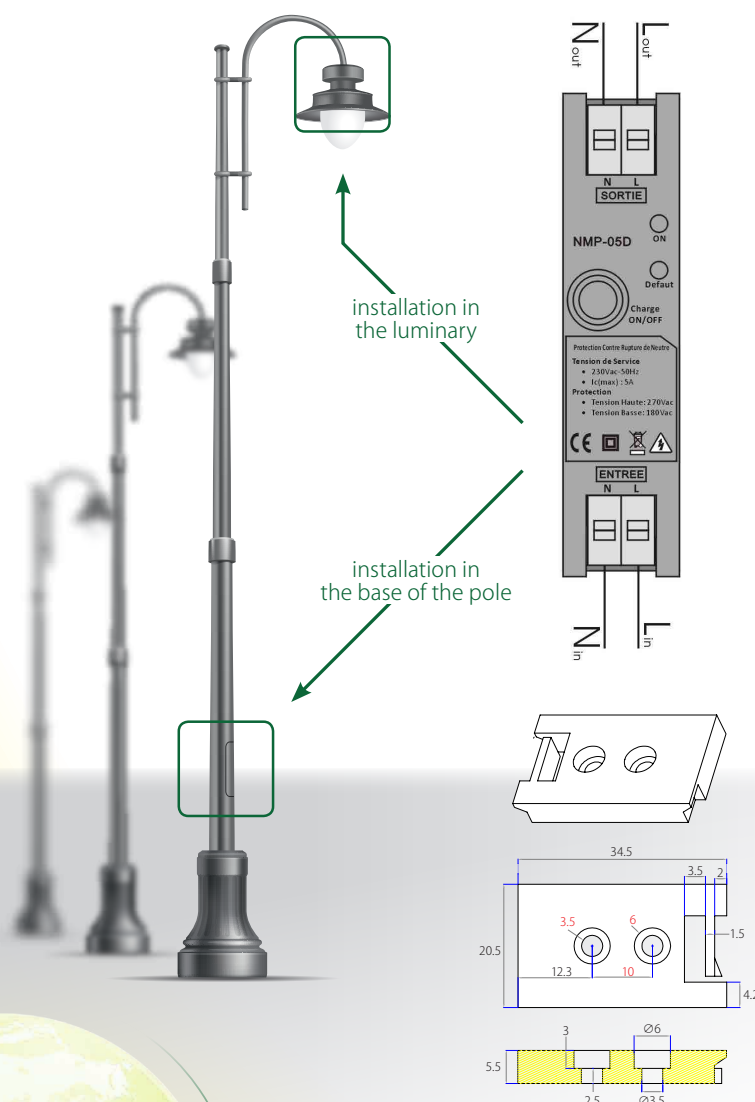
Input voltage range	120 ~ 450Vac
Frequency	50 ~ 60Hz
Nominal current	5A
Maximum breaking current	10A
Idle power consumption	< 0,5W

Output parameters

Output voltage range	180 ~ 270 Vac
Frequency	50 ~ 60Hz
Maximum switchable power	2,5kW

Technical characteristics

Operating temperature range	-25 to 65°C
Storage temperature	-40 to 85°C
Relative humidity (ambient, no condensation)	5 to 95%
RoHS / WEEE	compatible
MTBF	> 1 000 000h
EN60950	Class II



Please refer to the "NMP-05D User Guide" for additional details.