

# NEX SERIES™ CE12 DUPLEX

Single Phase, Duplex, Smart Pump Control



The **NEX Series™ CE12 duplex** control panel is designed to control two single phase pumps in water and wastewater applications.

It controls the level in a tank in pump down applications (emptying) using 2 ~ 4 float switches. If the level rises to the top float switch the audible/visual alarm is activated.

Typical applications include lift pump chambers, sump pump basins, holding tanks, and other water applications.

## FEATURES

- Voltage supply : 100~240VAC, single phase, 50/60Hz
- Operating temperature : -5°C ~ 40°C
- High level alarm, Pump fault alarm
- Float switch fault detection and backup control logic
- Pump fault detection, and automatically switching
- Intelligent system fault detection, including pump clogged, shaft / impeller damage, check valve damage, pipe broken, dry run, etc
- Pump over-temperature protection
- Weekly test run function

## COMPONENTS

1. Polycarbonate enclosure: 254×203×102mm; IP65 for outdoor or indoor use; UV resistant, Flame retardant rating: UL94 5VA
2. Padlockable Latch
3. Integral Mounting Feet
4. Power Relay
5. HOA Switch (Hand-Off-Auto)
6. Power on indicator
7. Pump run / Pump fault indicator
8. Float status indicator
9. Overload protection, adjust range 2.5A~12.5A
10. Mode Selector DIP switch
11. RJ45 port (Modbus RTU Communication - RS485)
12. Pump Thermoswitch Input Contacts
13. Alarm Relay
14. Pump Fault Relay
15. Touch safe terminal block cover
16. 2-Pole Circuit Breaker pump disconnecting switch short circuit protection
17. Red LED Beacon provides 360° visual check of alarm condition
18. Alarm Horn provides audible warning of alarm condition, 82 dB
19. Alarm Test/Silence Switch

