

Universal Control Unit UC-2C is designed for controlling and monitoring of centralized Lubrication system. It is widely used in applications for lubrication control systems for machinery and equipment like conveyor belt and escalator etc.

Controller UC-2C is a upgrade version of controller UC-2A. They use same hardware platform, but UC-2C has independent housing with



waterproof connector, which offers better protection to the controller.

Complete and powerful control function

- ◆ A controller of compact size but powerful function. Can meet most chain lubrication systems control requirements.
- ◆ COUNTER mode for LUBE and a free choice of TIMER and COUNTER for PAUSE to meet chain lubrication control requirement.
- ◆ Adjustable pitch ratio. User may adjust magnetic pump's action to adapt to different chain speeds
- ◆ Wider range of parameters make control function more flexible and powerful.
- ◆ Level monitoring function and status signal output, ensure the high reliability of lubrication control.
- ◆ Power down protection function enables UC-2C auto memories lubrication parameters when power down happens to the system, and continues carries out operation from the point of power-off. This function ensures the lubrication

continuous and reliable

- ◆ Build-in oil discharge and insert lubrication cycle function, make installation and test easier.
- ◆ Can extend host machine interlock function (option)

Convenient and easy operation

- ◆ Displays information with 4 digits LED digital monitor, it is easy to use
- ◆ LED signal lights indicate system-working status clearly.
- ◆ Film keypad operation with 3 keys. Easy and quick parameter setting improves operational efficiency.
- ◆ Tree structural operation menu, easy for query and setup.

Designed for industry environment

- ◆ Can work steady under a complicated power supply condition. The surge, sink, brief interruption and superposed strong interference of the industry power supply will not negative influence on UC-2C.
- ◆ Aborative electromagnetic compatibility (EMC) design enables UC-2C can work reliable in complicated electromagnetic environment and does not bring out harmful electromagnetic noises.
- ◆ Excellent acclimatization. Can work in a wide temperature range from -30°C to 70°C. Operation panel is designed with “O” seal groove cavity, which enables the protection level can reach IP65 with proper mounting structure.

High reliability on design and manufacture

- ◆ Design complies with industrial application standard makes UC-2C can work 24 hours continuously at high load.
- ◆ Control modes and parameters are stored in EEPROM for a long time without backup power support. UC-2C was especially improved EEPROM parameter correction function, which improves the high reliability of lubrication control.
- ◆ Main electronic components are all Industrial level and high-temperature ageing and stability treated; ensure the reliability of the whole control unit
- ◆ SMT manufacturing technique with reinforcement treatment enables UC-2A can work stable even under severe vibration condition.

Technical Specification

Rated working voltage	90V~250V, 45~65Hz
Max. output	3A
Pump electrifying impulse time	0.2 s
Lubrication counting range	1~9999
Pause time range	0~999.9 h
Pause counting range	0~999 999
Pitch jump range	1:1~1:99
External input signal	10V ~30V DC, input equivalent resistance 10k
Fault relay output	250V AC, 5A Max, N.O.
Operation temperature	-30℃~70℃

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