



Universal Control Unit UC-1A is designed for controlling and monitoring of centralized lubrication systems. It is widely used in lubrication system control for automobile chassis, construction machinery and small machinery and equipment

Compact size controller offers complete control function:

- ◆ Compact size, can be installed in a small space. Two separate designed PCBA makes it convenient and flexible for installing.
It is particularly suitable for embedding inside user's device, to consist an integrated lubrication station
- ⌌ Free choice of TIMER mode and COUNTER mode for both LUBRICATION and PAUSE to meet all types of vehicle chassis lubrication control requirement.
- ⌌ Pressure Switch monitoring function can monitor pressure build up situation in main pipe, which ensures lubrication system can reliable work.
- ⌌ Cycle Switch monitoring function, supports progressive distributing systems' monitoring. Can easy control strict lubrication system for engineering machinery.
- ⌌ Power down protection function enables UC-1A auto memories lubrication parameters when power down happens to the system. And continue carries out operation from the point of power-off. This function ensures the lubrication continuous and reliable

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.

Designed for industry environment

- U 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 controller.
- U Aborative electromagnetic compatibility (EMC) design enables UC-1A can work reliable in complicated electromagnetic environment and does not bring out harmful electromagnetic noises.
- U Excellent acclimatization. Can work in a wide temperature range from -30℃ to 70℃. 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

- U Design complys with industrial application standard makes UC-1A can work 24 hours continuously at high load.
- U Control modes and parameters are stored in EEPROM for a long time without backup power support. UC-1A was especially improved EEPROM parameter correction function, which improves the high reliability of lubrication control.
- U Main electronic components are all Industrial level and high-temperature ageing and stability treated; ensure the reliability of the whole control unit.
- U SMT manufacturing technique with reinforcement treatment enables UC-2A can work stable even under severe vibration condition.

Technical Specification

Rated working voltage	12V, 24V
Voltage range	11V~31V
Max. load output M	10A
SL output	5A
Recommend fuse spec.	5A
Data storage	No limitation
Programmable LUBE time range	1 ~9999 s
Programmable PAUSE time range	0~9999 min
Time control accuracy	1%
Programmable impulse range	1~9999
Protective grade	IP65 (with proper mounting structure)
Working temperature range	-30℃~70℃

For technical improvement reason, we may change our product's Technical Specification at any time without prior notice.

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