

Universal Control Unit UC-2 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.

Powerful function

- ◆ Advanced dual Micro-controllers design. One Micro-controller is especially responsible to control; the other one is responsible to display and program. The two Micro-controllers cooperate with each other. This design makes controller more stable and reliable; also can displays abundant and intuitionistic information.
- ◆ 2 completely independent lubrication control channels,
- ◆ 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 parameter setting range makes control more flexible and powerful.
- ◆ Lubricant level monitoring function and state signal output ensures the high reliability of lubrication control.
- ◆ Power down protection function enables UC-2 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

- ◆ Use LCD displays information in text. UC-2 has English and Chinese versions

available. It is very convenient to operate and use.

- ◆ LED signal lights indicate system-working status clearly.
- ◆ 6 keys operation makes easy and quick setting, improves operational efficiency.
- ◆ Even though the control unit is installed at an inaccessible position, the working state of lubrication system still can be monitored and operated via external signal lights and DK switch.

Good adaptivity to complicated application environment

- ◆ Can work under a complicated power supply condition. Controller can properly work in a wide voltage range. The surge, sink, brief interruption and superposed strong interference of the power supply will not negative influence on the controller.
- ◆ Aborative electromagnetic compatibility (EMC) design enables UC-2 can work reliable in complicated electromagnetic environment of vehicles and does not bring out harmful electromagnetic noises.

High reliability

- ◆ Design complies with industrial application standard make UC-2 can work continuously at high load.
- ◆ Dual Micro-controllers structure improves the reliability of the system. The two Micro-controllers monitor each other and give alarms when abnormal situation is detected.
- ◆ Control modes and parameters are stored in EEPROM for a long time without backup power support. We especially improved EEPROM parameter correction function, which guarantees 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 controller can work stable even under severe vibration condition.
- ◆ More effective 4-digit password protection, prevent programmed parameters being changed accidentally.

Technical Specification:

Rated working voltage	24V
Output control voltage	100V~220V/50~60Hz(dual-line)
Max. Load output M	3A
Protection grade	IP40
Data storage	No limitation
Working temperature	-20℃~70℃

Recommended Fuse spec.	2A
Installation dimensions L×W×H	137mm(L)×92mm(W)×42mm(H)
Single weight	200g
Programmable contact time range	1s ~ 17h 59min 59s
Programmable contact counter range	1~59999
Programmable pitch adjustment range	1:1~199:1
Programmable pause time range	1 ~ 999 h 59 min
Programmable pause counter range	0~99999999
EM pump's electrifying time range	0.01s~1.99s
EM pump's action adjustment range	0.01s~2.50s
Operation time Memory	0 ~ 999999h 59 min
Fault time Memory	0 ~ 999999h 59 min

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