

Controller UC-5M is a newly type controller designed for controlling and monitoring of central Lubrication systems. It is widely used in multi-line lubrication systems. It also can be used in single-line lubrication system control application after simplified. UC-5M and UC-5 family controller share the same housing and hardware.



Powerful function

- ◆ With high-speed processor, UC-5M can control and monitor max. 8 oil outlets at the same time, meet multi-line lubrication control requirements.
- ◆ Timer and counter control modes are available for both LUBE and PAUSE. Control parameters can be set freely to meet different lubrication system control requirements.
- ◆ **Insert a lubrication** function is convenient for system testing and debugging.
- ◆ Can accept external signal control and outputs failure signals, it is easy to achieve interconnected control with the host PLC of the conveyor.
- ◆ Designed with compressed air pressure, oil-level, outlet oil pressure and every individual cycle switch multi-monitoring function ensure lubrication system reliable for long-term auto-lubricating.
- ◆ Power cut-off protection. Controller auto memories lubrication parameters when power cut-off happens to the system, and continues carry out operation from the point of power-off.

Convenient and easy operation

- ◆ Large, bright LCD monitor interface, visually displays rich information in text form.
- ◆ LED signal lights indicate system-working status clearly and there is also remote fault relay output monitoring signals at the same time.
- ◆ Film keypad operation. Comfortable hand feeling. Easy and quick parameter setting improved operational efficiency.
- ◆ Integrated with all functions required for lubrication control. It can implement lubrication control by just connect sensors and electromagnetic pumps, access to power, and simply parameter setting.
- ◆ Controller is designed with some auxiliary functions like oil-discharge. Easy for

installation and trial run.

Good adaptivity to complicated application environment

- ◆ Controller 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 UC-5M. Therefore, it is especially suitable for industrial sites.
- ◆ Excellent acclimatization. Can work in a wide temperature range from -20°C to 50°C. Film panel protects controller from humidity and dust. Its protection grade reaches IP65.
- ◆ UC-5M is a product that is sturdy and durable. Vibration and noise of industrial sites has no adverse effect on it

High reliability

- ◆ The design complies with industrial application standard. It can steadily work at high load.
- ◆ The controller is internal designed with operation monitoring system. When an exception occurs, the system can automatically handle it, which greatly improves the reliability.
- ◆ Control modes and parameters are stored in EEPROM. It does not need backup power support.
- ◆ Main electronic components are all Industrial level and high-temperature ageing and stability treated; ensure the reliability of the complete control unit.
- ◆ SMT manufacturing technique with reinforcement treatment enables controller can work stably even under severe vibration condition.

Technical Specification

Nominal voltage	18-36V
Protection grade	IP65
Max. output of solenoid pump	>5A (resistive load)
LUBE time range	1s ~ 99 min 59s
PAUSE time range	0 ~ 9999 h 59 min
LUBE counting range	1~999 999
PAUSE counting range	0~9999 9999
External input signal	5V ~30V DC , input equivalent resistance of 5.1k
External switch signal	N. C. contact. Open effective
Cycle switch monitoring	8 Cycle switch Max.
Cycle switch monitoring time	0~17h 59 min 59s
Fault relay output	5A Max , N. C.
Working temperature	-25°C~+55°C
Fuse spec.	250V 0.5A

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

Suzhou Leetern Industry Control

Tel: +86-15250446590

Fax: +86-512-68661838

www.Leetern.com

jane@Leetern.com