

Single Zone Timer

DME Single Zone Timers (TCM-03-024D) are highly accurate, solid state timers that feature resolution to 1/100 of second, far exceeding the industry standard of 1/10 of a second.

Versatile for virtually any type of operation that requires a timer, including single-zone valve gate systems, core pulls, and air sweeps.

Benefits:

- Unit plugs directly into DME Smart Series Mainframes
- Test button (green light indicates power out)
- Yellow light indicates trigger signal being applied or timer in operation
- Trigger signal has two available sources – dry set of contacts or 24 VDC input
- Trigger input signal can be ganged to operate more than one timer when multiple units are used (24 VDC input only)
- Input signal and output power can be used from timer front panel connectors or DME mainframe cables
- Thermocouple cable serves as trigger signal; power cable serves as 24 VDC power supply to any 24 VDC solenoid valve



DME Single Zone Timers: TCM-03-024
Shown next to a SSAT-15-12 Temperature Controller in a
Standard 2-Zone Smart Series Mainframe

4-Zone and 8-Zone Timer-Based Sequencers

VCTH4000 and VCTH8000: 4-zone and 8-zone hydraulic control

The VCTH4000 provides four zones of hydraulic actuation and the VCTH8000 provides eight zones of actuation.

Hydraulic connections on the back of each controller allow for quick connect and disconnect of the hydraulic lines from the controller. This air-powered unit runs on 88 to 264 volts with a single air line. Because the VCTH pumps only when pressure build-up is required, operation is energy efficient, providing a low-cost energy solution. This style of pump also prevents degradation of hydraulic oil.

A hydraulic accumulator stores precharged oil, which provides on-demand flow for fast actuation of hydraulic cylinders. This powerful hydraulic system can provide up to 10 times the incoming air pressure.

| ITEM NUMBER | DESCRIPTION |
|-------------|-------------------------------------|
| VCTH4000 | 4-ZONE HYDRAULIC CONTROLLER |
| VCTH8000 | 8-ZONE HYDRAULIC CONTROLLER |
| VCAH1500 | 15-FT. LONG HYDRAULIC HOSE ASSEMBLY |

Note: Hydraulic hose assemblies and trigger signal cable included with each controller.

Compact 4-zone pneumatic or hydraulic control unit

The VCTB4000 Valve Gate Controller is designed to provide timer-based control of up to four 24 volt DC valves used to actuate pneumatic valve gate cylinders as well as some hydraulic valves, and features a user-friendly auto-reset feature. Its compact size makes it extremely portable and requires minimal space. A single DB-025 cable connects the controller to up to four remotely located valves, minimizing wiring and air connections.

| ITEM NUMBER | DESCRIPTION |
|-------------|---------------------------------------|
| VCTB4000 | 4-ZONE PNEUMATIC HYDRAULIC CONTROLLER |
| VCPT0100 | 100-FT. LENGTH OF PNEUMATIC TUBING |

Note: Trigger signal cable included with controller.



DME Valve Gate controllers provide an extended life cycle, energy savings and more accurate time settings.



Highly accurate DME solid state timers feature resolution to 1/100 of a second, far exceeding the industry standard of 1/10 of a second.

VCAP Air Valve Assemblies

VCAP multi-station air valve assemblies

The VCAP series offers 4-station (0400), 6-station (0600), 8-station (0800), 10-station (1000), and 12-station (1200) valve assemblies. The single-solenoid valves are spring returned and designed to run from 24 VDC +/- 10%. The air supply (maximum rated pressure 145 PSI) can be lubricated or non-lubricated — dry air is preferred but the valve is designed to tolerate some moisture.

Quick connects are provided on all air outputs to accept standard 1/4" tubing. The de-energized outputs, used for closing valve gates, feature check valves to ensure that unused valves do not leak air.

| ITEM NUMBER | DESCRIPTION |
|-------------|-------------------------------|
| VCAP0400 | 4-STATION AIR VALVE ASSEMBLY |
| VCAP0600 | 6-STATION AIR VALVE ASSEMBLY |
| VCAP0800 | 8-STATION AIR VALVE ASSEMBLY |
| VCAP1000 | 10-STATION AIR VALVE ASSEMBLY |
| VCAP1200 | 12-STATION AIR VALVE ASSEMBLY |

Note: Each valve assembly includes a valve cable.

