

CHELIC®	
OPERATION MENU	
E/P REGULAR	
MODEL NAME	
CVAR.CVTR 2900 series	
CATALOGUE	
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CHELIC Corporation	
URL http://www.chelic.com	
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CAUTION FOR OPERATION	
CAUTION	
► This product can temporarily keep twice output when the power is cut off in operating state. Besides, when using twice output in open air condition, the air will keep overflow, must operate carefully.	
► If the supply pressure is cut off in a charge state, the inside solenoid valve will keep working, sometime s will beeps. As above situation will seriously affect the life of solenoid valve, please cut off the power before you cut off the pressure.	
► The bus bar end connector is four-core wire. If you don't use the monitor output (analog output, switch output), will cause error operation, please avoid connecting with other wire.	
► All of our products have been adjusted according to their specification before leaving factory. Please don't make any modification or dissemble to the structure, function of the product.	
► In order to avoid the error caused by noise, please take the following measures: 1. Set the line filter on AC power line to remove the power noise. 2. Keep the product away from the engine and power line to avoid noise affects. 3. Induced charge (like Solenoid Valve, relay), must prevent them from negative charge. 4. In order to avoid the effects of power fluctuation, please cut off the power before plug the connector.	
► The angle wire connector can not be rotate, please don't rotate it.	
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Wiring (Monitor Output)	
CAUTION	
Don't use monitor output will cause wrong action, so please avoid connecting with other wires.	
Switch output/NPN type (CVAR※0※※-※1)	Switch output/PNP type (CVAR※0※※-※2)
If an electrical current over 80mA passed through, the current detection circuit will start work.	If an electrical current over 80mA passed through, the current detection circuit start to work.
Analog output/voltage type (CVAR※0※※-※3)	Analog output/current type (CVAR※0※※-※4)
The load impedance of the measuring instrument must be over 0.25kΩ.	The load impedance of the measuring instrument must be over 0.25kΩ.
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LOCK FUNTION	
CAUTION	
Can not operate when enter into lock mode.	
SETTING METHOD	
① Under normal state, press the "▲" can lock the direction control valve. ② Press the "▲" by three seconds, can unlock the direction control valve. ③ Under normal state, press the "SET" and get into the "MENU" A. "MENU", please use "▲" and "▼" button to move up and down, then press the "SET" to enter the setting view. B. "MENU" —	
MENU Basic Set Default Set Reset zero Sleep mode Exit	
C. Press the "SET" to get into the submenu, after get into the submenu, use "▲"、"▼" to move up and down, press the "SET" to enter the setting view.	
Basic Set ► Out1 mode Out1 Set Out1 type Unit Back Exit	Reset zero ► Yes No Back Exit
Sleep Mode ► OFF 5s 10s 30s 60s 180s Back Exit	
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Safety notice	
Please read this safety notice carefully, and pay attention to safety item while using this product, to prevent injury to human body and property dangerous. Hence, there are divided into three classes of "DANGER", "WARNING" and "CAUTION" according to the dangerous grade. No matter which class, they all very important content, must comply with ISO 4414, JIS B 88370 and other safety regulations.	
MARK INSTRUCTION	
MARK	DESCRIPTION
WARNING	Condition of operation is situated at "warning" state, may cause casualty if wrong operation.
CAUTION	Condition of operation is situated at "Caution" state, may cause minor or moderate injury and damage of property if wrong operation.
WARNING	
Product	
① Let the designer of pneumatic system or rule tester to determine if this direction control valve is suitable or not. Let the designer of pneumatic system or rule tester analysis and determine whether this product is suitable or not. The person should also be responsible for the performance of the system and it's security. It's necessary to pay attention to the latest product catalog and menu, consult all related matters and consider the possibility of machine failure to build an ideal system.	
② The product must be operated by the person who has professional knowledge and practical experience. Wrong operation is very dangerous, so the installation, operation and maintenance of the air compressor equipment should be done by the person who has professional knowledge and practical experience.	
③ The operation and disassembly of the mechanism must be under safety condition. A. Before inspect and prepare the mechanism, be sure measures have been taken for prevent the driven objects from falling and lose control. B. Make sure to take above mentioned measures and shut off the power switch when disassemble the mechanism, to ensure the safety, please also refer and learn the product notice before start work. C. Make sure able to handle any error operation which would happen after re-start of the mechanism. Inspection should be regularly to assure the normal operations.	
④ Should especially consider the security countermeasure when using under below conditions, but at the same time, we hope you can negotiate with us in advance. A. Use in other conditions and outdoor those not stated in the catalogues. B. Using in nuclear power, railway, airway, car, medical equipment, food and drink machine, entertainment, emergency power-off system and safety machine. C. Using in that will have great impact on human body and property.	
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WIRING METHOD	
CAUTION	
① Error wiring might cause breakage, please operate carefully. ② Please use DC power which has enough capacity and with small fluctuation. ③ Please cut off the power before plug the connector. ④ The angle wire connector can not be rotate, please don't rotate it.	
Wiring (Power And Input Signal)	
Terminal No.	1 2 3 4
Wire Color	Brown White Blue Black
Wiring	power signal COM Monitoring
▼ Current Type	
Vs: Power DC 24V±10% A: Input signal DC 4~20mA	
▼ Voltage Type	
Vs: Power DC 24V±10% Vin: Input signal DC 0~5V DC 0~10V	
▼ Monitor Output Circuit	
▼ Analog output DC 0.5~4.5V (L33 type only) DC 1~5V DC 4~20mA	
Monitor output	
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DISPLAY	
Switch Output 1	
Pressure Unit	
CVAR-0.8bar V/NP Easy OUT1 Bar	
Switch Output Mode	
Pressure Value	
0.00	
MAIN MENU	
MENU	
► Basic Set Default Set Reset zero Sleep mode Exit	
③ Press the "EXIT" to leave the menu, normally will return to the pressure display frame.	
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OUTPUT MODE* NOTE 1	
① Under "Unlock" state, press "SET" and get into "MENU". ② After get into "MENU", use "▲" and "▼" to move up and down, press "SET" to get into the Basic Set function.	
MENU ► Basic Set Default Set Reset zero Sleep mode Exit	
③ After get into "Basic Set" frame, select "Out1 mode" to get into function menu, you can choose output mode you need.	
Basic Set ► Out1 mode Out1 Set Out1 type Unit Back Exit	Out1 mode ► Easy Hys Windows Back Exit
④ Select "Back" to get back to the previous page. ⑤ Select "Exit" to leave the menu, normally will return to the pressure display frame.	
*Note 1: Only CVAR with switch output function, can set the output mode.	
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OUTPUT SET *NOTE 1	
① Under "Unlock" state, press "SET" and get into "MENU". ② After get into "MENU", use "▲" and "▼" to move up and down, press "SET" to get into the Basic Set function.	
MENU ► Basic Set Default Set Reset zero Sleep mode Exit	
③ After get into "Basic Set" frame, select "Out1 set" to get into function menu, you can choose output mode you need.	
Basic Set Out1 mode ► Out1 Set Out1 type Unit Back Exit	Out1 set ► Easy mode P 10.86Bar Back Exit
④ Select "Back" to get back to the previous page. ⑤ Select "Exit" to leave the menu, normally will return to the pressure display frame.	
*Note 1: Only CVAR with switch output function, can set the output mode.	
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OUTPUT MODE* NOTE 1	
① Under "Unlock" state, press "SET" and get into "MENU". ② After get into "MENU", use "▲" and "▼" to move up and down, press "SET" to get into the Basic Set function.	
MENU ► Basic Set Default Set Reset zero Sleep mode Exit	
③ After get into "Basic Set" frame, select "Out1 type" to get into function menu, you can choose output mode you need.	
Basic Set Out1 mode Out1 Set ► Out1 type Unit Back Exit	Out1 type ► Nc No Back Exit
④ Select "Back" to get back to the previous page. ⑤ Select "Exit" to leave the menu, normally will return to the pressure display frame.	
*Note 1: Only CVAR with switch output function, can set the output mode.	
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RESET ZERO	
① Under "Unlock" state, press "SET" and get into "MENU". ② After get into "MENU", use "▲" and "▼" to move up and down, press "SET" to get into the Reset Zero function.	
MENU Basic Set Default Set ► Reset zero Sleep mode Exit	
③ After get into "Reset zero" frame, you can choose and confirm the function or exit menu.	
Reset zero ► Yes No Back Exit	* Select "Yes" to perform the function. * Select "No" not perform the function and exit menu. * Select "Back" to get back to the previous page. * Select "Exit" to leave the menu, normally will return to the pressure display frame.
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PIPING INSTRUCTION	
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UNIT	
① Under "Unlock" state, press "SET" and get into "MENU". ② After get into "MENU", use "▲" and "▼" to move up and down, press "SET" to get into the Basic Set function.	
MENU ► BasicSet Default Set Reset zero Sleep mode Exit	
③ After get into "Basic Set" frame, select "Unit" to get into function menu, you can choose output mode you need.	
Basic Set Out1 mode Out1 Set Out1 type ► Unit Back Exit	Out1 type ► Bar Psi kPa kgf/cm² MPa Back Exit
④ Select "Back" to get back to the previous page. ⑤ Select "Exit" to leave the menu, normally will return to the pressure display frame.	
Below function can be achieved by setting P_1 and P_2. ※ Only monitor output and switch output have this function. (CVAR※0※※-※2, CVAR※0※※-※3)※	
■ P_1 < P_2: Window compare mode	
■ P_1 ≥ P_2: Delayed mode	
■ P_1=P_2=0: Self-diagnostic mode (When reach the set pressure, turn to ON.)	
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SLEEP MODE	
① Under "Unlock" state, press "SET" and get into "MENU". ② After get into "MENU", use "▲" and "▼" to move up and down, press "SET" to get into the Sleep mode function.	
MENU BasicSet Default Set Reset zero ► Sleep mode Exit	
③ After get into "Sleep mode" frame, can set the startup time of sleep mode.	
Sleep Mode OFF ► 5s 10s 30s 60s 180s Back Exit	
④ Select "Back" to get back to the previous page. ⑤ Select "Exit" to leave the menu, normally will return to the pressure display frame.	
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