



Specifications for the Yellow Jacket®™ Controller

The controller is Time Cycle device with the main enclosure containing the electronics and the power supply.

Power The power supply of the controller is a 6 VDC 10 Ahr Lead Acid Battery. It is contained in the Steel enclosure. The power supply for the system will accept power supplies rated from 6 VDC to 14 VDC with no additional alterations. The specified technology is "**power loss memory guard system.**"

Housing A Steel Enclosure sufficient to support the weight of the components and the power supply with all connections to be made to the exterior of this steel enclosure. A steel mounting device is firmly attached to the enclosure to allow its attachment to a valve flange at the wellhead or directly to a solid clamp on adjacent mount. The steel enclosure is rated a minimum of a NEMA 4 with a full opening front door and an elastomer seal around the entire perimeter of this door. The finish of the steel enclosure is impervious to corrosion and rust as well as not affected by ambient effects. The latch and hinge for the front opening door must be of a stainless material and be able to be locked and secured. The inside of the enclosure has a similar finish and be free from bare metal exposure.

Connections The pressure line connections on the enclosure allow for direct connection of each and every line with the line compression fittings. Connections are able to be made in either brass or Stainless steel.

Valving The solenoid valve for the actuation of the motor valves are enclosed in the steel enclosure of the controller and are also to have a threaded port to connect the pressure lines to the motor valve. The solenoid valves have a vent line that allows the vented gas to be exhausted outside of the enclosure. This vent line is available to inspection by the operator for clogs or damage. The valves have 3 way capabilities for allowing the motor valve to open and close with close allowing the venting of the diaphragm gas from the motor valve.

Access The electronics have a direct access port to permit the connection of the computer to down load and up load the system. The access terminal and the modules for the electronics are easily replaced components to permit this access and allow for ease of replacement of the access terminal in case of damage. The controller contains a method of field access by way of a keypad. The entry of and the change of settings should be accomplished by the keypad.

Display The controller contains a LCD display that shows the field operator the status or his actions when he is programming and the status of the controller when operating.

Inputs The controller is to have a method to quick connect up to seven (8) input terminals from various devices that can be used with the controller. These have terminals for high/low contact devices that also include the plunger arrival sensor and future connections for either Solar Panel or communication link. The connections should be a positive spring-loaded connection with corrosion resistant contacts.

Warranty The Warranty will include the components of the controller and all defects in material and workmanship. It should extend for one year from date of purchase. The controller will be available to upgrade for changes in the electronics industry and the changes in the operational programs used to operate the wells.

Weight The total weight of the controller with battery is 16 lbs.

Size The dimensions of the enclosure are 10"H x 8"W x 5"D.

Customer Inquiries and Service should be directed to:

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