Model 1 on-off operation spec sheet

MODE OF OPERATION: A pressure "window" is created by a "LOW PRES ON" and "HIGH PRES OFF" settings. When the system pressure, measured by the pressure transducer (pressure sensor) drops below the "LOW PRES ON" setting the pump will turn on, after delays for stability. When the pressure rises above the "HI PRES OFF" setting the pump will turn off, after delays.

SAFETY SHUTOFF: If the system pressure goes below the LO PRES SAFE level for 30 seconds continuously the pump will shut off and the display will read "LO PRES SAFE". The pump will stay off until reset by turning the unit off (pressing auto/off) and then pressing auto/off again to turn it back on.

MINIMUM ON AND OFF TIMERS: The "LOW PRES ON" display will toggle back and forth to "MIN ON TIME". The pump will stay on for at least this time (in seconds) regardless of what the pump pressure does. Likewise the "HI PRES OFF" display will toggle back and forth to "MIN OFF TIME". The pump will stay off for at least this amount of time (in seconds) regardless of the pressure.

ITEMS INCLUDED: In photo clockwise from bottom left

1. Power supply: 12 VDC @ 200mA. Power requirements: 10-24 volts AC or DC.
2. Intermediate cable. Cable connecting pressure transducer to IC Pump Station control unit. 10 foot long cable is typical but most any size can be supplied.
3. IC Pump Station control unit.
4. 7 amp IDEC DPDT mechanical relay with "on" indicator light.
5. Pressure transducer/sensor 4-20 mA output. Pressure ranges are from 0-15 PSI full scale to 0-250 PSI full scale.
6. Mounting DIN rails, fasteners and bushings for mounting in a junction box.

Also Provided

Hour meters: Logs how long pump has been on. Can be reset to zero.
Cycle counters: Logs the number of on-off cycles. Can be reset to zero.

Options:

Additional output relay that closes when the pump goes into safety shutoff mode. Relay can be connected to light, alarm, auto-dialer, etc. to alert maintenance personnel that pump has shut off.

IC PUMP STATION
800-760-6874

100 PSI