
NOMENCLATURE

Standard Wastewater Control Panels

- S10020N1** --- Simplex indoor (NEMA1) panel, 20 amps maximum - no options available
D10020N1 --- Duplex indoor (NEMA1) panel, 20 amps maximum per pump - no options available

Example: S 1 0020 XX (See reverse for continued example.)

S

1st Character *Panel Type*

S = Simplex

D = Duplex

1

2nd Character *Phase/Voltage*

1 = Single Phase, 115/230 V

3 = Three Phase, 200/230/460/575 V

0020

3, 4, 5, 6th Character *Maximum Pump Amp Range*

0015 = Single phase, 20 amps (basic simplex with no options available)

0020 = Single phase, 20 amps (simplex only)

2127 = Single phase, 21-27 amps (no capacitors)

2836 = Single phase, 28-36 amps (no capacitors)

1625 = Three phase, 1.6 to 2.5 amps

2540 = Three phase, 2.5 to 4.0 amps

4063 = Three phase, 4.0 to 6.3 amps

6310 = Three phase, 6.3 to 10 amps

1016 = Three phase, 10 to 16 amps

1620 = Three phase, 16 to 20 amps

2025 = Three phase, 20 to 25 amps

Example: S 1 0020 XX

XX

Additional Characters - *add options as needed in alphabetic order*

- A = Guaranteed pump submergence circuit - used with a redundant float switch to prevent a pump from running dry
- C = Condensation heater, 115 volt (70 watt) with an automatic thermostat to turn the heater on - prevents condensation inside the panel
- D = Single phase lightning arrestor
- E = Three phase lightning arrestor
- F = Simplex (1) elapsed time meter shows total pump run time in hours
- G = Duplex (2) elapsed time meters show total pump run time for each pump in hours
- H = Simplex seal fail or moisture detection circuit for (1) pump^①
- J = Duplex seal fail or moisture detection circuits for (2) pumps^①
- K = Simplex cycle counter for (1) pump, records total on/off cycles
- L = Duplex cycle counters for (2) pumps, records total on/off cycles for each pump
- M = Simplex high temperature sensor circuit with pump shutdown feature to protect the motor (1) from overheating^②
- N = Duplex high temperature sensor circuits with pump shutdown feature to protect the motors (2) from overheating^②
- O = Simplex Mini CAS for 1/2GA, 15/20GDS/GXS^③
- P = Duplex Mini CAS for 1/2GA, 15/20GDS/GXS^③
- S = 3 Intrinsically safe relays in a Simplex Panel
- T = 4 Intrinsically safe relays in a Duplex Panel
- Y = Simplex dry contact for Seal Fail BMS
- Z = Simplex dry contact for Pump Run BMS
- YY = Duplex dry contact for Seal Fail BMS
- ZZ = Duplex dry contact for Pump Run BMS
- N1 = Indoor, no modification available

① H and J options will only work with pump(s) equipped with seal fail sensors and cords designed for use with these circuits.

② M and N options will only work with pump(s) equipped with built-in thermal sensors and cords designed to be connected to these circuits.

③ Mini CAS options "O" and "P" can only be added to three-phase control panels above and will work only with Grinder Pumps listed.

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