NOMENCLATURE
Standard Wastewater Control Panels

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
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

J = Duplex seal fail or moisture detection circuits for (2) pumps

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

N = Duplex high temperature sensor circuits with pump shutdown feature to protect the motors (2) from overheating

O = Simplex Mini CAS for 1/2GA, 15/20GDS/GXS

P = Duplex Mini CAS for 1/2GA, 15/20GDS/GXS

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.