



# SIMPLEX INDOOR PANEL

S10020N1 SINGLE PHASE CONTROL PANEL

**FEATURES**

High level alarm circuit includes spring loaded through door-mounted silence switch for manual silence of alarm horn.

Through door mounted alarm test switch insures proper operation of the alarm circuit without the need to open the panel.

Through door mounted pump run light.

Top mounted high intensity flashing red light provides 360° visibility.

Pulsating, corrosion proof alarm horn.

Color coded wiring, screw type terminals and plug in sockets, insure ease of field servicing.

Field wiring diagram, panel schematic and installation instructions included.

Entire unit is UL and CUL listed.

**PANEL MODEL INFORMATION**

ORDER NUMBER	AMP RANGE
S10020N1	0-20

**APPLICATIONS**

Superior quality simplex liquid level controller, automatically maintains pump operation. High level alarm warning for a variety of sump, effluent, sewage and water transfer applications. Not for use in damp, outdoor, or weatherproof applications.

**SPECIFICATIONS**

- Non-modifiable – No options available.
- Accepts single or dual power feed.
- Hand-off-automatic (H-O-A) pump selection switch.
- On-off control circuit switch.
- Oversized magnetic contactors.
- Numbered terminal strip-screw type.
- NEMA 1, 30 watt, flashing red light.
- NEMA 1, steel enclosure.
- NEMA 1, alarm horn – 95db.
- Auxiliary alarm contacts.

**Single Phase**

- Field adjustable for 115 or 230 V, 60 Hz.
- Enclosure: 8.0" H x 8.0" W x 4.0" D.

**NOTE:** Enclosure dimensions do not include 3" high light.

**ADDITIONAL FEATURES**

- Panel can be wired for a single power feed for pump and control circuit or the control circuit can be wired to a separate power supply to insure alarm integrity in case of a tripped pump breaker.
- Auxiliary alarm contacts provided for remote alarm connection.
- Float Switches – Note: Please order float switches separately. We offer several types and models. See the Float Switch bulletin for available options. The type selected determines the quantity needed. The basin depth and panel location determine the required cord length. Contact your distributor or Customer Service for additional information.

115/230 VAC (FOR 115 VAC, USE TERMINALS L1 AND N, JUMP L2 AND N.)  
SINGLE PHASE 60 HZ

The diagram illustrates the wiring for the Fire Alarm Control Panel (FACP). It shows the following components and connections:

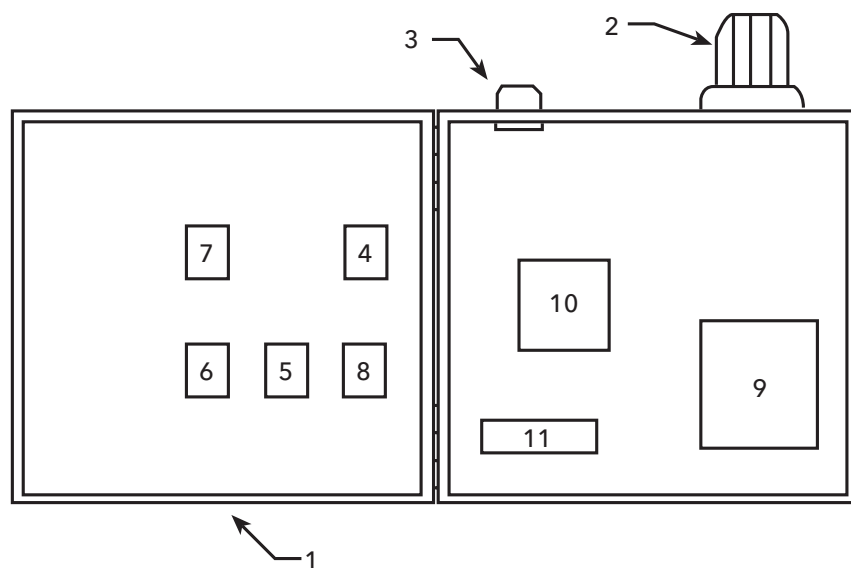
- Power Supply:** L1, L2, N, and GND lines enter from the top left. L1 and L2 are connected to terminals T1 and T2, which are then connected to the PUMP. A GND connection is shown at the bottom left.
- Control:** A CONTROL ON-OFF switch is connected to the L1 line.
- Hand/Auto Switch:** A switch with positions for HAND, OFF, and AUTO. The HAND position is connected to a PURPLE wire, which is then connected to a RUN indicator light and a switch S1. The AUTO position is connected to a BROWN wire.
- Alarm Indicators:**
  - FLASH (RED WHT) is connected to terminal R1.
  - FLASHING (RED WHT) is connected to terminal C.
  - HORN (WHT PINK) is connected to terminal L1.
  - SONALERT (WHT PINK) is connected to terminal H.
- Alarm States:**
  - ON (indicated by a circle with a diagonal line) is connected to terminal 1.
  - OFF (indicated by a circle with a diagonal line) is connected to terminal 2.
  - ALARM (indicated by a circle with a diagonal line) is connected to terminal 3.
- Reset/Mute/Test:**
  - RESET is connected to terminal 4.
  - MUTE is connected to terminal 5.
  - TEST (RED) is connected to terminal 6.
  - TEST (RED) is connected to terminal 7.
- Neutral and Grounding:**
  - NEU (Neutral) is connected to terminal 8.
  - WHITE is connected to terminal 9.
  - BLACK is connected to terminal 10.
- Terminal Block:** A terminal block with terminals H, L1, N, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10. A jumper J1 is connected between terminals H and L1.
- Alarm Floats:**
  - ON FLOAT is connected to terminal 1.
  - ALARM FLOAT is connected to terminal 2.
  - OFF FLOAT is connected to terminal 3.

FOR SEPARATE 120 VAC CONTROL POWER SUPPLY, REMOVE JUMPER (J1) FROM TERMINALS (H) AND (L1). CONNECT 15 AMP MAX. PROTECTED 120 VAC SUPPLY TO TERMINALS (L1) AND (N). WITH THE NEUTRAL OF THE SUPPLY TO (N).

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## S10020N1 COMPONENTS

1. NEMA 1 enclosure
2. Flashing alarm light
3. Alarm horn
4. Pump run light
5. Alarm silence selector switch
6. Alarm test selector switch
7. Control power on/off selector switch
8. H-O-A selector switch
9. Simplex control board
10. Contactor
11. Terminal strip



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