

# 240V SENTRY ALARM PANEL NEMA 6P, NO BUZZER

PEEL HERE

## Installation Process:

All installations should be documented on [apps.eone.com](http://apps.eone.com)

1. Access [apps.eone.com](http://apps.eone.com) from any smart device
  - If you don't have access to a smart device, please contact your local distributor for direction
2. Log in or create a login
3. Find or create a new site (customer address)
4. Complete Installation Checklist

See installation manual, shipped with your Grinder Pump Station, for complete instructions

## Panel Installation Notes:

- The panel is recommended to be installed within sight of the station
- The panel must be installed where an alarm can be seen and heard
- The panel is to be mounted to a wall or pole through mounting flanges at top and bottom of panel
- The panel must be mounted with the Alarm Lamp up
- All field penetrations for conduit entries must be through the bottom wall
- All conduit fittings into the panel must be 6P rated and sealed
- Seal all conduit using only Duct Seal, per NEC SECTION 300.5 & 300.7
- A dedicated 30 Amp breaker is required to feed the E/One Alarm Panel
- The conductors feeding the Main Source Power must be 10AWG copper or larger, per NEC 310.16
- The panel should be installed 3' to 5' off the ground

## Supply cable Notes:

- Unprotected supply cable must be buried a minimum of 24" below grade or it must be protected by appropriate conduit, per NEC 300.5
- If using conduit, be sure to use proper bedding materials
- Supply Cable Voltage Drop – 12 AWG Wire  
240 VAC Pump - .098 Volts per foot of cable
- The maximum recommended length of 12 AWG supply cable, assuming supply voltage is within 5% of pump nameplate voltage at panel:  
240 VAC = 150' (minimum voltage at pump is 216 VAC)
- Consult your local distributor if longer distances are needed  
Underground splices are not recommended and may void warranty

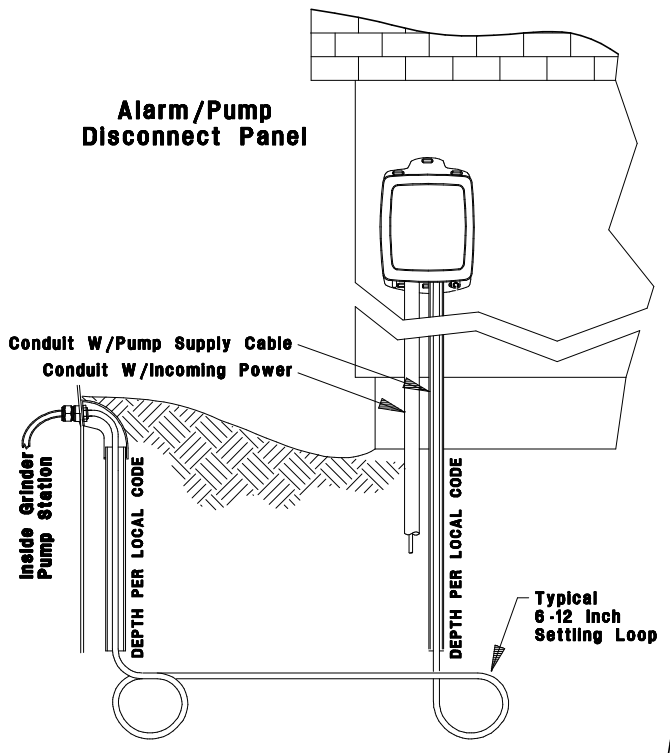
## Pre-Startup Procedure:

1. Inspect the station for burial depth, grading, damage, electrical connections, etc.
2. Verify that the panel is wired properly (see the following pages), and is damage-free
3. Verify that the conduits are sealed with Duct Seal, and that there are no exposed wires outside the panel
4. Verify that the incoming voltage is between 216V and 264V

## Startup Process:

All startups should be performed and logged on [apps.eone.com](http://apps.eone.com)

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4. Complete Startup Checklist



Refer to nameplate for panel part number

**e one**  
SEWER SYSTEMS

ENVIRONMENT ONE  
2773 BALLTOWN ROAD  
NISKAYUNA, NY, USA 12309

[WWW.EONE.COM](http://WWW.EONE.COM)

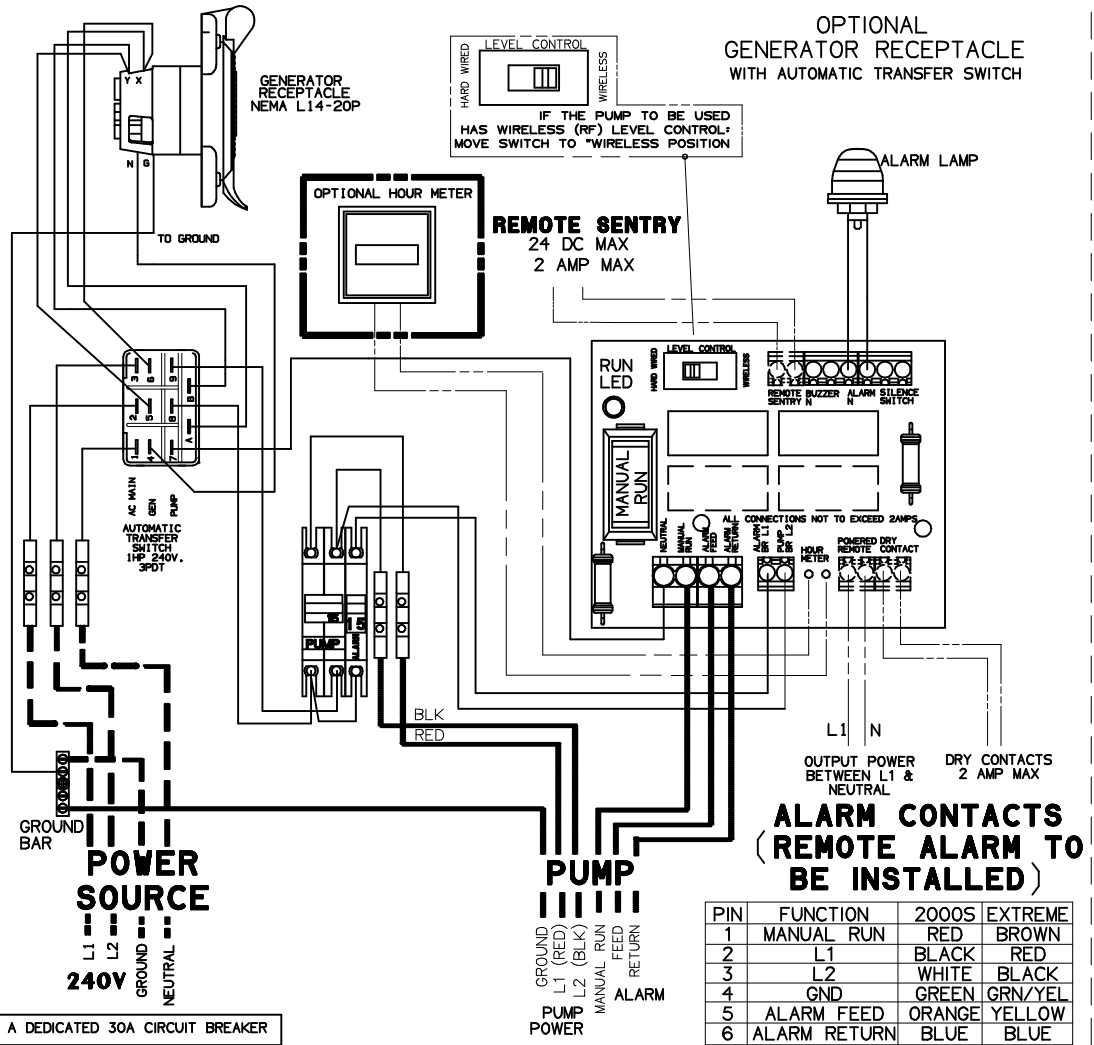
**SERVICELINK Toll Free: 1-866-539-9803**

DECAL NO.: PB0951P05 REV .

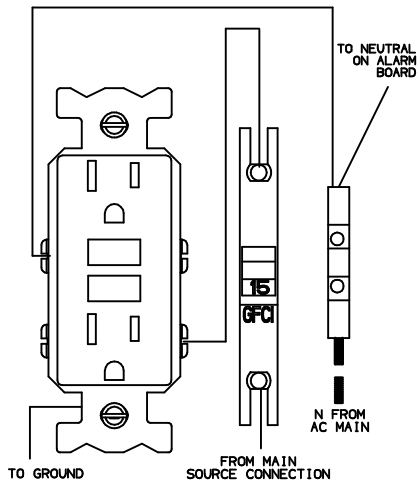
# OPTIONAL WIRING DIAGRAMS

REFER TO FACING PAGE FOR MAIN WIRING

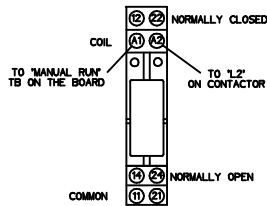
240 VOLT INPUT ON 2 POLE POWER



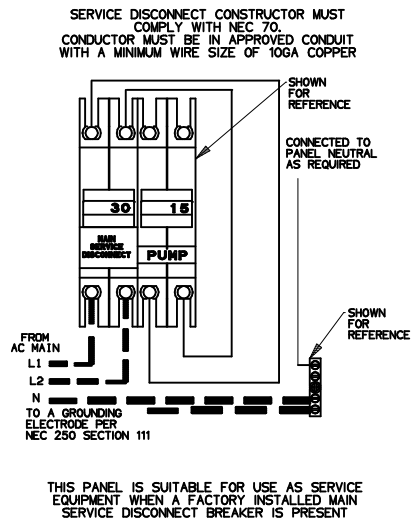
## OPTIONAL GROUND FAULT RECEPTACLE



## OPTIONAL PUMP RUN TIME DRY CONTACTS

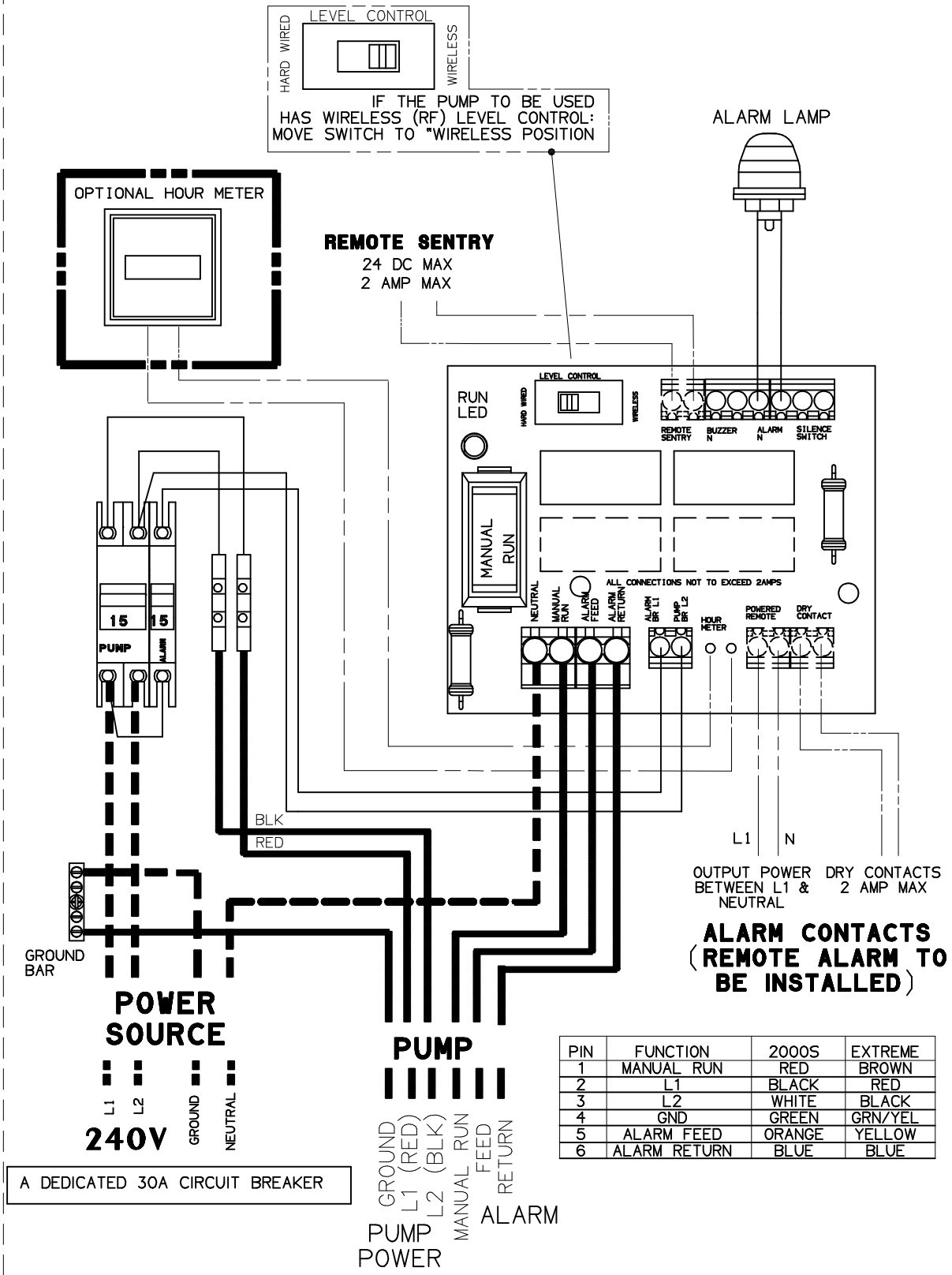


## OPTIONAL MAIN SERVICE DISCONNECT



# MAIN WIRING DIAGRAM

REFER TO FACING PAGE  
FOR OPTIONAL FEATURE WIRING  
240V Input on 2 Pole Power



PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	L2	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE