

# SENTRY ALARM PANEL INFORMATION

PEEL OPEN  
FOR USE AND  
WIRING

See installation manual for complete instructions.  
It can be found shipped with your Grinder Pump Station

## Panel Installation Notes:

- Panel is recommended to be installed within sight of the station.
- Panel must be located in the area the user will easily see and hear if an alarm occurs.
- Panel is to be mounted to a wall or pole through mounting flanges at top and bottom of panel.
- Panel must be mounted with the Alarm Lamp up.
- No non-factory penetrations are allowed through the panel wall or door except for conduit entries through bottom.
- All conduit fittings into panel must be 4X rated and sealed.
- Seal all conduit per NEC SECTION 300.5 & 300.7.
- A 30 Amp breaker is recommended to feed the Alarm/Pump disconnect panel from the main power source.
- The conductors feeding Main Source Power must be 10AWG copper or larger, per NEC 310.16.
- Panel should be installed 3' or higher 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.
- Supply Cable Voltage Drop – 12 AWG Wire  
120 VAC Pump - .195 Volts per foot of cable.  
240 VAC Pump - .098 Volts per foot of cable.
- Maximum recommended length of 12 AWG supply cable, assuming supply voltage is within 5% of pump nameplate voltage at panel:  
120 VAC = 60' (minimum voltage at pump is 108 VAC)  
240 VAC = 150' (minimum voltage at pump is 216 VAC)
- Consult your local distributor if longer distances are needed. Underground splices are not recommended.

FOLLOW YOUR LOCAL AND NATIONAL  
CODES WHEN INSTALLING THIS PRODUCT

**e one**

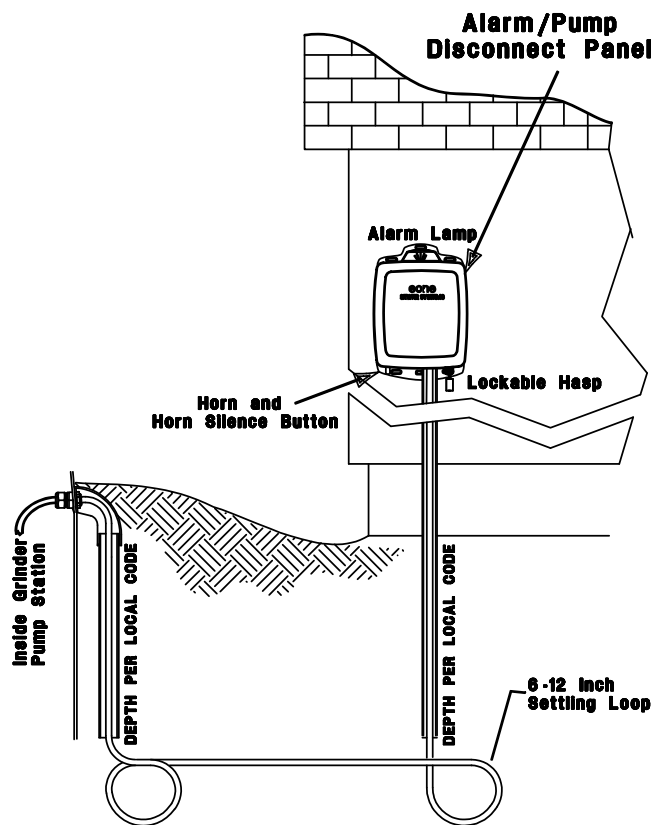
**SEWER SYSTEMS**

**ENVIRONMENT ONE**

**2773 BALLTOWN ROAD**

**NISKAYUNA ,NY ,USA 12309**

**WWW.EONE.COM**



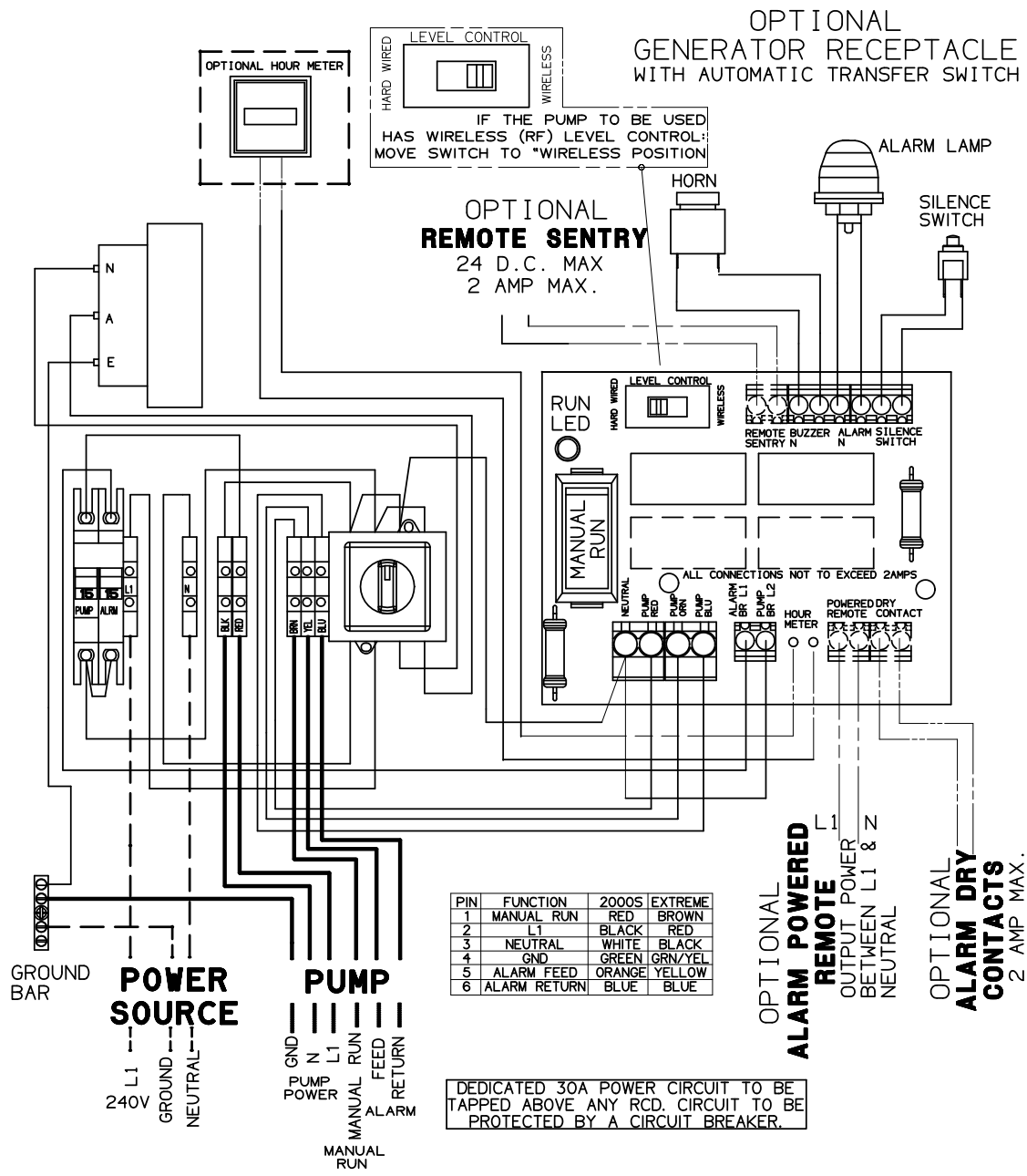
Refer to nameplate for panel part number

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

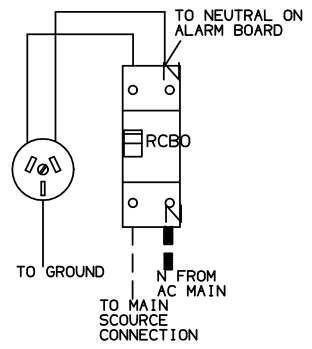
DECAL NO.: PB0951P03 REV D

# OPTIONAL WIRING DIAGRAMS

REFER TO FACING PAGE FOR MAIN WIRING  
240 VOLT INPUT ON 1 POLE POWER



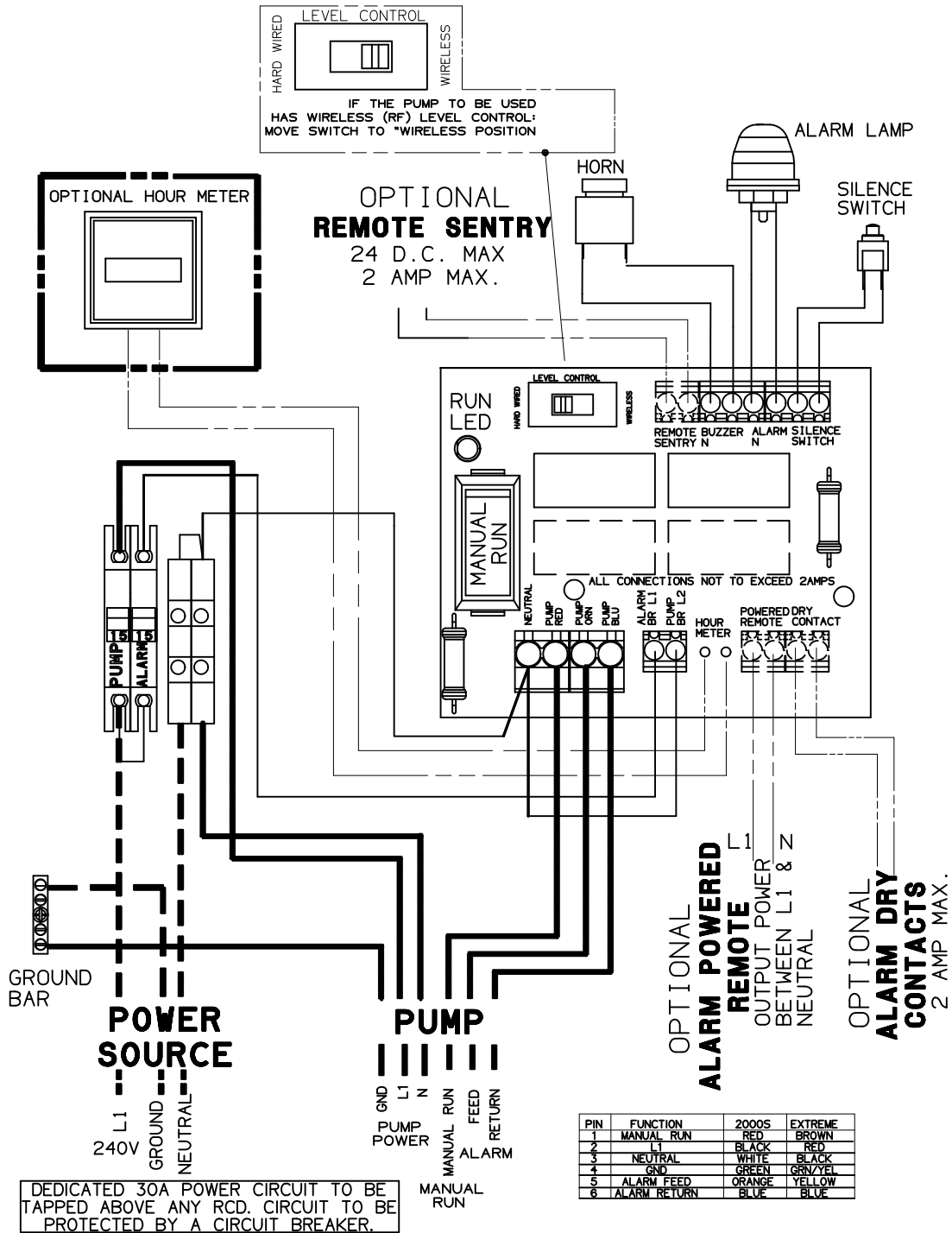
## OPTIONAL CONVENIENCE RECEPTACLE



# MAIN WIRING DIAGRAM

REFER TO FACING PAGE  
FOR OPTIONAL FEATURE WIRING

240 VOLT INPUT ON 1 POLE POWER



DEDICATED 30A POWER CIRCUIT TO BE TAPPED ABOVE ANY RCD. CIRCUIT TO BE PROTECTED BY A CIRCUIT BREAKER.

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