

# MODEL 113

FILE NO.: 53 535 DATE: Feb. 15, 2001 SUPERSEDES: NEW

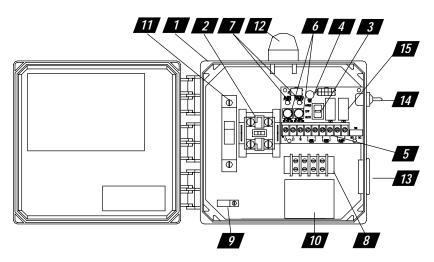
### SUBMITTAL

Job:	Representative:	Representative:	
	Order By:	Date:	
Engineer:	Submitted By:	Date:	
Contractor:	Approved By:	Date:	

## Single phase, simplex grinder capacitor start / run pump control.

The Model 113 control panels provide a reliable means of controlling one 120, or 240 VAC single-phase pump in water and sewage installations. Two control switches activate an IEC motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system. Common appliances include pump chambers and lift stations.





- **Enclosure** measures 14 x 12 x 6 inches (35.56 X 30.48 X 15.24 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use).
  - ★ Options selected may increase enclosure size and change component
- 2. IEC Motor Contactor controls pump by switching electrical lines.
- 3. HOA Switch for manual pump control (mounted on circuit board).
- Green Pump Run Indicator Light (mounted on circuit board). 4.
- 5. Float Switch Terminal Block (mounted on circuit board).
- Alarm and Control Fuses (mounted on circuit board). 6.
- Alarm and Control Power Indicators (mounted on circuit board).
- **Pump Input Power and Pump Connection Terminal Block**
- **Ground Lugs**
- 10. Circuit Breaker provides pump disconnect and branch circuit protection.
- 11. Capacitator Start Module start/run capacitator kit included.

#### STANDARD ALARM PACKAGE

- 12. Red Alarm Beacon provides 360° visual check of alarm condition.
- 13. Alarm Horn provides audio warning of alarm condition (83 to 85 decibel rating).
- 14. Exterior Alarm Test/Normal/Silence Switch allows alarm horn to be silenced and testing of horn and light to ensure proper operation of alarm system.
- 15. Horn Silence Relay automatically resets alarm after alarm condition has been resolved (mounted on circuit board).

FEATURES	
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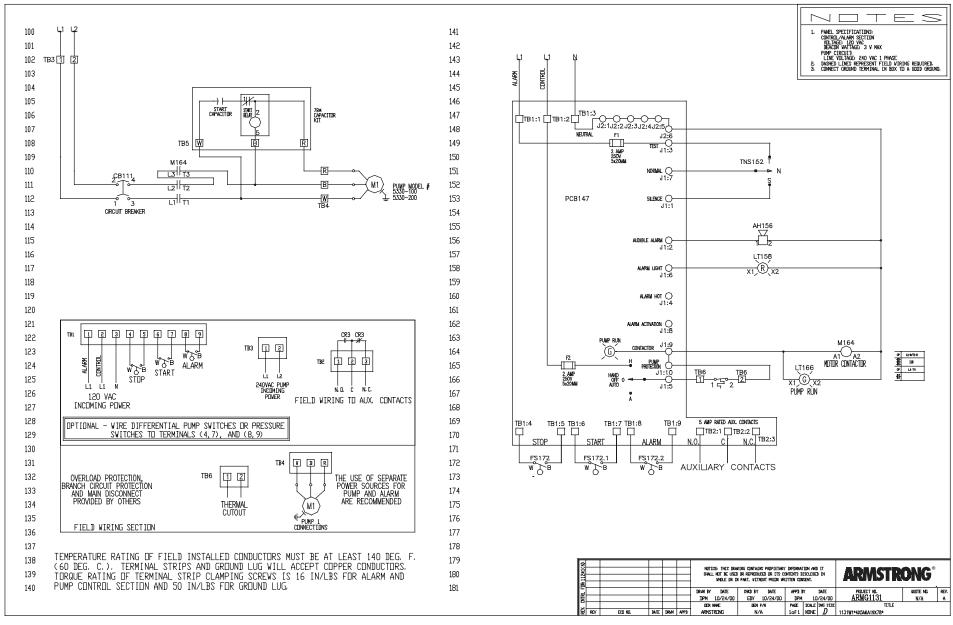
- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Complete with step-by-step installation instructions.
- Three-year limited warranty
- Thermal cutout
- Auxiliary alarm contact, form C type
- Door mounted pump run indicator



#### **OPTIONS**

- 3A Alarm flasher
- ★ 4A Low level cutout requires float
- 4B Red low-level indicator & alarm must select 4A
- ★ 8A Elapsed time meter
- \* 8C Event (cycle) counter
  - 9A Pump overload
  - 10E Lockable latch
- ★10F Lightning arrester
- ★10K Anti-condensation heater

# **SINGLE PHASE - SIMPLEX MODEL 113**



S.A. Armstrong Limited 23 Bertrand Avenue Toronto, Ontario Canada, M1L 2P3 Tel: (416) 755-2291 Fax: (416) 759-9101 Visit us at www.armstrongpumps.com

**Armstrong Pumps Limited** Peartree Road, Stanway Colchester, Essex United Kingdom, C03 5JX Tel: 01206-579491 Fax: 01206-760532



Armstrong Pumps Inc. 93 East Avenue Buffalo, New York U.S.A. 14120-6594 Tel: (716) 693-8813 Fax: (716) 693-8970

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## Armstrong Darling Inc.

2200 Place Transcanadienne Montreal, Quebec Canada, H9P 2X5 Tel: (514) 421-2424 Fax: (514) 421-2436

