



Pro Series C33

Combination Primary and Backup Sump Pump System

Instruction Manual & Safety Warnings

PAIR OF PUMPS

Table of Contents

Important Safety Warnings and Instructions

| | |
|------------------------|---|
| Electrical precautions | 1 |
| Battery preparation | 1 |
| Battery precautions | 1 |

Introduction

| | |
|--------------------------|---|
| Items included in system | 2 |
| Additional items needed | 2 |
| System specifications | 2 |

Installing the Pipe and Pump

3

Battery Instructions

4,5

System Connections

| | |
|-------------------------------------|---|
| Connecting the backup pump | 5 |
| Installing the battery fluid sensor | 5 |
| Connecting the battery | 6 |
| Connecting the primary pump | 6 |

Product Operation

| | |
|-----------------|---|
| Float switches | 7 |
| Controllers | 7 |
| 1/8" weep holes | 7 |

Understanding the Warning Lights and Alarms

| | |
|---|-----|
| Silencing the alarm during an emergency | 7 |
| Battery fluid low | 7,8 |
| Battery corroded or defective | 8 |
| Cleaning battery terminals | 8 |
| Replacing the battery | 9 |
| Not receiving AC power | 10 |
| Fuse alarm | 10 |
| Backup pump activated | 10 |
| Replacing the backup pump | 11 |
| Replacing the primary pump | 12 |
| Battery power level | 13 |
| Remote alarm | 13 |

Testing the System

| | |
|----------------------------------|----|
| Testing the backup float switch | 13 |
| Testing the primary float switch | 14 |

Maintenance Check List

14

Parts & Service Information

| | |
|-------------------|----|
| Technical support | 14 |
|-------------------|----|

Replacement Parts Diagram & List

15

Troubleshooting Guide

16

Warranty

17



Replacement Parts List

PS -C33 Description

- Controller for backup pump
- Dual float switch with controller for AC pump
- 1/3 HP AC sump pump
- PHCC 2400 backup pump
- Battery box
- PVC "Y" fitting
- Battery cap with hole
- Sump foot
- Instructions
- Battery fill bottle
- Stainless steel screw, #10-24 x 1-1/2" *
- 45° PVC pipe fitting, 1-1/2" *
- Pipe adapter for backup pump, 1-1/2" FTP x 1-1/2" slip *
- Wire tie for float switch, 11" *
- Stainless steel hose clamp, 2-1/2" diameter *
- Check valve, 1-1/2" MPT x 1-1/2" SLIP *
- No-hub coupling, 1-1/2" *

*Stock items available in plumbing department

Call 800-991-0466, option 3 to order parts.

Part No.

- PHCC-2400-CON1
- DFC1
- S3033-GL
- 1011010
- 1113003
- 1120007
- 1125000
- 1143000
- 1806065
- BF
- 1100021
- 1200008
- 1120009
- 1122000
- 1122002
- 1141001
- 1142000

