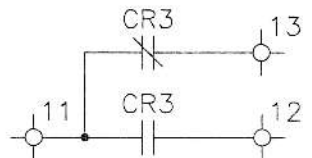
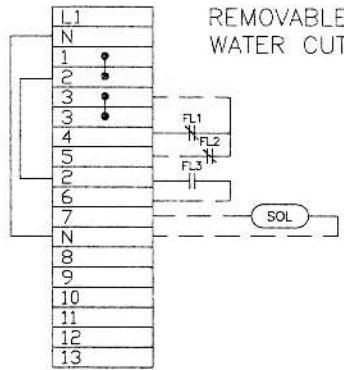
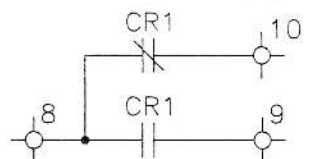


NORMAL WATER LEVEL ALARM CONTACTS



LOW WATER LEVEL ALARM CONTACTS



REMOVABLE JUMPER FOR HIGH WATER CUT OFF OPTION

- NOTES:
1. ALL RELAY CONTACTS ARE SHOWN IN DE-ENERGIZED STATE.
 2. ALL RELAYS ARE 120V COIL XT RELAYS
 3. CR1, CR2, & CR1 ARE XTRE10B22A
 4. ALL FLOATS SHOWN IN DRY STATE

<p>OPTIONS</p>	<p>SYSTEM INFORMATION</p> <p>CAT NO: <u>INPC2</u></p> <p><u>120V</u> <u>60HZ</u> <u> </u> AMPS</p> <p>CONTROL VOLTAGE: <u>120VAC</u></p> <p>ENCLOSURE TYPE: <u>NEMA 1</u></p>		<p>CUSTOMER INFORMATION</p> <p>PROJECT: <u>TANK STATUS PANEL</u></p> <p>CUSTOMER: <u>R.T. STEARNS</u></p> <p>CUSTOMER #: <u> </u></p>
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<p>ROUTING</p> <p>1 - JOB FILE</p> <p>2 - PRODUCTION</p>	<p>THE INFORMATION ON THIS DOCUMENT IS CREATED BY CUTLER-HAMMER. IT IS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT IS SUPPLIED.</p> <p>LES RENSEIGNEMENTS CI-DESSUS ONT ÉTÉ ELABORÉS PAR CUTLER-HAMMER. ILS VOUS SONT DIVULGUÉS EN TOUTE CONFIDANCE ET LEUR UTILISATION SE LIMITE AUX SEULES FINS POUR LESQUELLES ILS VOUS SONT TRANSMIS.</p>	<p>DFTR DESS. DATE</p> <p>EH 01/25/08</p>	<p>Cutler-Hammer LVCA AIRDRIE, AB</p>		
<p>NEW YORK CITY APPROVED</p> <p>MEA 18-02-E</p>		<p>APPD APPR. DATE</p>	<p>TITLE</p> <p>ELECTRIC REMOTE ALARM PANEL</p>		
<p>PRODUCT CODE</p> <p>CODE PRODUIT</p>		<p>REVISION</p> <p>2</p>	<p>DWG SIZE / ECHELLE</p> <p>A</p>	<p>G.O. C.G.</p> <p>16BC532E</p>	<p>DWG</p> <p>PAGE</p> <p>1 OF 1</p>



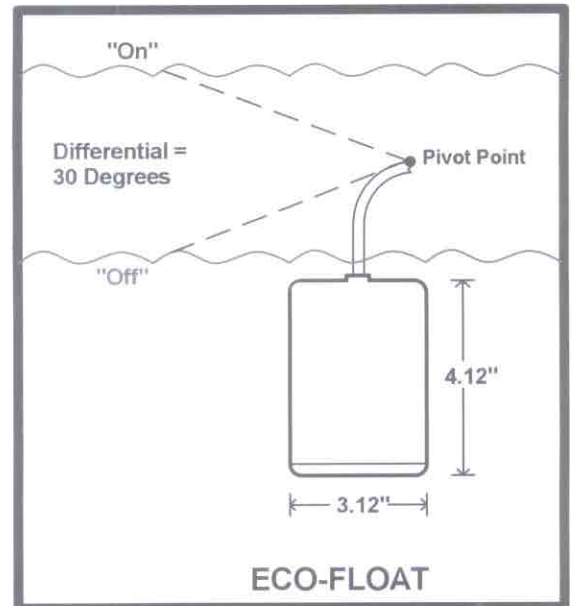
anchor scientific inc.

Box 378, Long Lake, MN 55356

952-473-7115 • FAX 952-473-6002 • www.anchorscientific.com

eco·float

Form 2600-A



Eco-Float

Description

The Eco-Float, (G style), is a mercury-free level switch for controlling liquid levels in a variety of applications. A snap action switch is activated by a ball rolling back and forth within a switching tube. The entire assembly is enclosed in a plastic float housing. There is a minimum differential between 'on' and 'off' of approximately 3.5 inches. Greater differentials can be achieved when the pipe mounted, (GP), or externally weighted, (GSE), versions are used. Various cable lengths, mounting styles, and circuit configurations are available and in stock.

Features

- Mercury Free
- Variety of Mounting Styles
- Variety of Circuit Configurations
- Replaces Mercury Float and Diaphragm Switches
- Differential Between 'On' and 'Off'

Applications

The Eco-Float can be used in a variety of liquid level monitoring applications, including lift stations, sumps, sewage ejectors, septic tanks, vaults, and tanks. Eco-Floats are ruggedly constructed of corrosion resistant material, which enable them to be used in a variety of different liquids. Some applications are subject to additional requirements described in the National Electric Code.

Specifications

Cable....18-2 or 18-3 SJOW 90° C. 41 x #34 copper .29D- 18-2; .31D- 18-3

Housing & Clamp.....Polypropylene 3" x 4.25"

Electrical Rating.....Standard 7A@ 120Vac; 3A @ 230Vac Std.

Eco-Float Gold Rating - .1A@ 120Vac (use with in intrinsically safe circuits; and very low energy circuits)

Temp Limit.....60° C. (water)

Ordering Information:

Specify

Model Series **G**

Mounting Style **SE** Suspended, External weight
SI Suseded, Internal weight
P Pipe mounted

Cable Length **10, 15, 20, 30, 40, 50, 60 Ft.**
Custom lengths available.

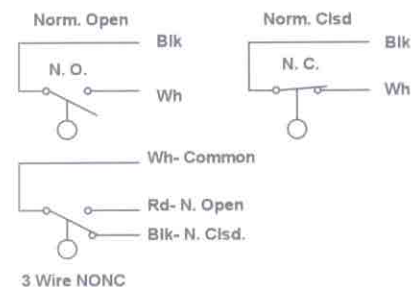
*Circuit configurations **NO** Normally open (SPST)
NC Normally closed (SPST)
NONC Normally open/closed (SPDT)

*For intrinsically safe applications use **NONC-Gold**.

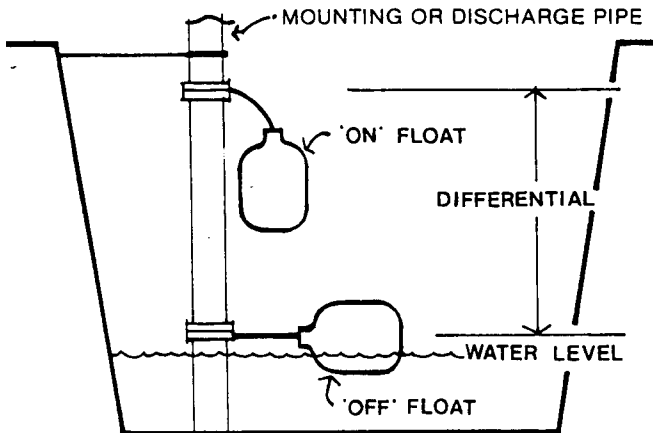
Example:

GS120NO

Eco-Float Suspended, Internally weighted, 20 ft. of cable. Normally open contacts.



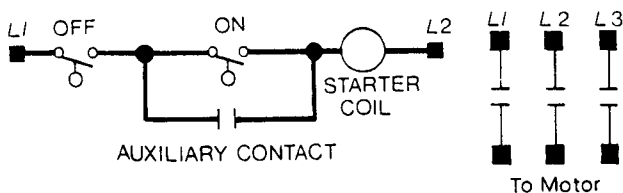
TYPICAL INSTALLATION



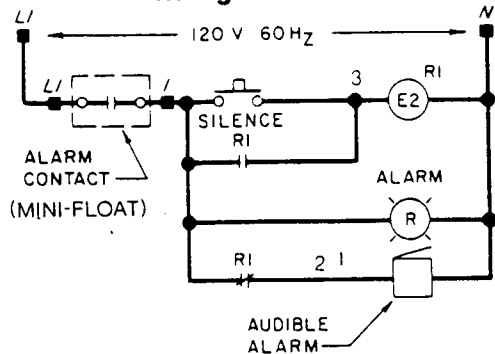
General Comments

- 1) Never work in the sump with the power on.
- 2) Attach the ECO Mini-Floats to the mounting pipe or the pump discharge pipe. The 'off' float should be below the 'on' float in a 'pump out' application.
- 3) Arrange the Mini-Floats so they do not tangle or hang up.
- 4) Thread the cable strap through the buckle with the ratchet pawl; cinch up tight; thread excess strapping through outer buckle slot.
- 5) Measuring the difference between mounting points gives the 'pump down' differential.

Typical Simplex Wiring Schematic



Typical Alarm Wiring Schematic



SPECIFICATIONS

Cable - 18-2 or 18-3 SJOW 90-degrees C.
41 x # 34 Copper. 29D - 18-2: 31D - 18-3.

Float - Polypropylene.

Housing & Clamp - Polypropylene 3" x 4.25"

Electrical Rating - Std. 7A @ 120Vac

3A @ 230Vac Std.



Eco-Float GOLD Rating - .1A @ 120 VAC
(use with in intrinsically safe circuits; and very low energy circuits.)

Temperature
Rating - 60 C. (water)

Normally Open - Green Housing

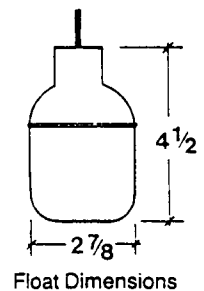
Normally Closed - Red Housing

ELECTRICAL CONFIGURATION	CABLE LENGTH
NORMALLY OPEN (GREEN)	10
	15
	20
	25
NORMALLY CLOSED (RED)	10
	15
	20
	25
	30

SUBMITTAL
APPROVAL

NAME

DATE



* Important Notes - Mini-floats are pilot duty devices. They cannot be used to directly power pump motors. Also, do not use Mini-Floats in gasoline or other combustibles. These devices can be used with intrinsically safe relays for some hazardous locations. See Sec. 500 of NEC.

DWN BY PD	DATE 7-17-80
CKD BY JTP	DATE 7-20-80
APPD BY JTP	DATE 7-20
PROJECT NAME Mini-Float	
FACTORY ORDER NO.	



anchor scientific inc.

Industrial Park, Long Lake, Mn. 55356
612-473-7115

Typical installation and specification data

DWG. NO.

2510-B