

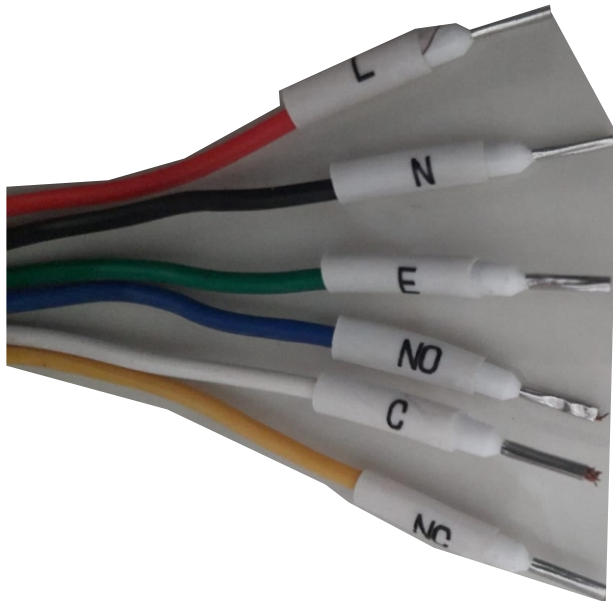


ARANKA

USER MANUAL
AICLS-22
CONDUCTIVE
LEVEL SWITCH
SINGLE CHANNEL
Ver. 1.0



TERMINAL DIAGRAM



L : POWER LINE 230VAC@50Hz
N: POWER NEUTRAL 230VAC@50Hz
E : EARTHING
NO : RELAY OUTPUT 3 A NORMAL OPEN
C : RELAY OUTPUT 3 A COMMAN
NC : RELAY OUTPUT 3 A NORMAL CLOSE

TERMINAL DISCRPTION

- 1 RED WIRE POWER LINE 230VAC@50Hz
- 2 BLACK WIRE POWER NEUTRAL 230VAC@50Hz
- 3 GREEN WIRE GROUND OR EARTHING
- 4 BLUE WIRE NO RELAY OUTPUT 3A NORMAL OPEN CONTACT
- 5 WHITE WIRE C RELAY OUTPUT 3 A COMMAN CONTACT
- 6 YELLOW WIRE NC RELAY OUTPUT 3A NORMAL CLOSE CONTACT

Sensor Identity & Installation



**BLUE SENSOR FOR LO LEVEL
KEEP IT AS EQUAL TO BLACK
SENSOR LENGTH**

**YELLOW SENSOR FOR HI LEVEL
CUT THE LENGTH AS PER YOUR
HI LEVEL SENSING REQUIRE.
NOTE: YELLOW SENSOR WILL
BE ALWAYS SMALL THAN BLUE
AND BLACK LEVEL SENSOR**

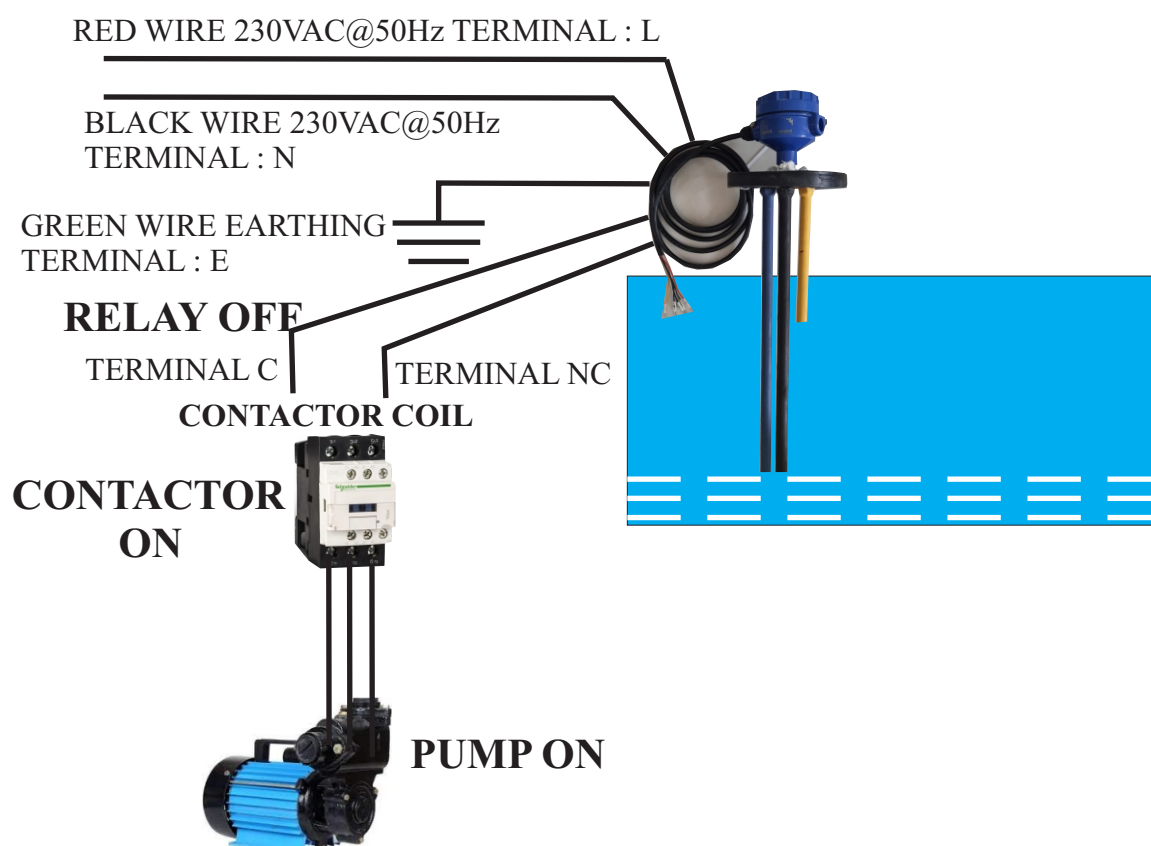
**BLACK SENSOR FOR REFERENCE LEVEL
KEEP IT AS EQUAL TO BLUE SENSOR LENGTH**

SPECIFICATIONS

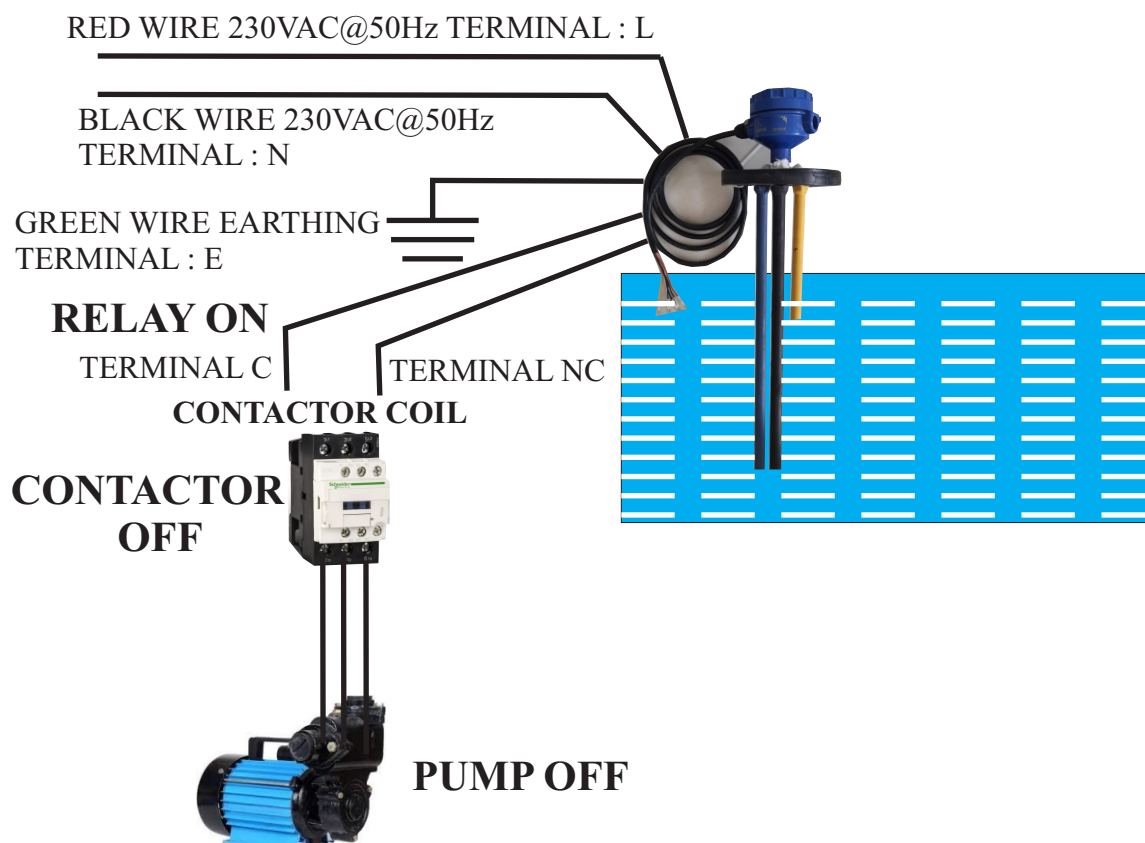
POWER	: 230VAC , 50HZ
CONDUCTIVITY RANGE	: 200~2000MS
LENGTH	: 3 METERS
TERMINAL CABLE LENGTH	: 3 METER
RELAY OUTPUT	: 3A, 1CO, RELAY
SENSING	: HI & LO CONDITION
HEAD	: IP67 ALUMINUM
SENSOR BODY	: S.S.316
FLANGE	: 80NB ANSI
FLANGE MOC	: P.P.

APPLICATION FUNCTION

WHEN WATER LEVEL LO



WHEN WATER LEVEL HIGH



FUNCTION OPERATION :

- 1) When Tank water level go below Reference Sensor [BLACK COLOR SENSOR] & LO Level sensor [BLUE COLOR SENSOR]. Level Switch Relay Output will be off and C & NC will be in contact, which will make Contactor ON and Contector will will make Pump ON.
- 2) When Tank water level Reached to Yellow High Level Sensor, All Three Sensor will Be Deep in Water, The Level sensor Switch will Trigger Relay ON And Contact will Switch Fron NC to NO, Which will Make Contactor OFF and Stop The Water Pump.
- 3) After Water Tank Full at high Level & Water Consumption Get started, When Water Level Go Below Lo Level & Reference Level Sensor it Will Again Start Water Pump.

Safety Precaution



- 1) Please Read Terminal Properly
- 2) Do Not Open Aluminum Head
- 3) Relay Output Can Not Take Load More Than 3A
- 4) Yellow Pipe is Hi Level Sensing Pipe So it will be always Smaller Than Both Pipe
- 5) Pipe Distance Piece are Require to Keep Distance Between Three Pipe.
- 6) Pipe Distance Piece are Lock with Two Gurb Screws to make Lock so when Cutting Yellow Pipe Please Remove and Than Lock.
- 7) Gurb Screw are Alen Key Operated So Use Alen Key to Remove or fix Pipe Distance Piece.



ARANKA

USER MANUAL



ARANKA INSTRUMENTS LLP

FACTORY :

50, NILKANTH INDUSTRIAL PARK,
AMBIKA TUBE COMPOUND,
NEAR OVER BRIDGE VATVA, GIDC,
Vatva, Ahmedabad - 382445.

Web : www.arankainstruments.com

e-mail : utkarsh@arankainstruments.com, contact@arankainstruments.com

Cont. : (F) 09909035088, +91 93288 88879

MODEL : AICLS-22



ARANKA INSTRUMENTS LLP