

Water level sensor:

Sensor in water tank connect to S2 and COM terminals.

Sensor in well connect to S3 and COM terminals.

when the sensor includes 2 contactors:

if full level, connect NO contactor to S2&COM.

if empty level, connect NC contactor to S3&COM.

At-F: Full water level sensor alarm.

At-L: Empty water level sensor alarm.

Full water level(S2 & COM) control logic:

Inverter is running, when detect sensor signal is valid, and keep 5 seconds(P15.14), will display At-F and stop running.

After 20seconds (P15.15), detect the sensor signal again. if sensor signal is still valid, continue stop running and show At-F. if sensor signal is invalid, rest At-F and run again.

BPD setting time is P15.13 & P15.14.

Empty water level(S3 & COM) control logic:

Inverter is running, when detect sensor signal is valid, and keep 5 seconds(P15.16), will display At-L and stop running.

After 20seconds (P15.17), detect the sensor signal again. if sensor signal is still valid, continue stop running and show At-L. if sensor signal is invalid, rest At-L and run again.

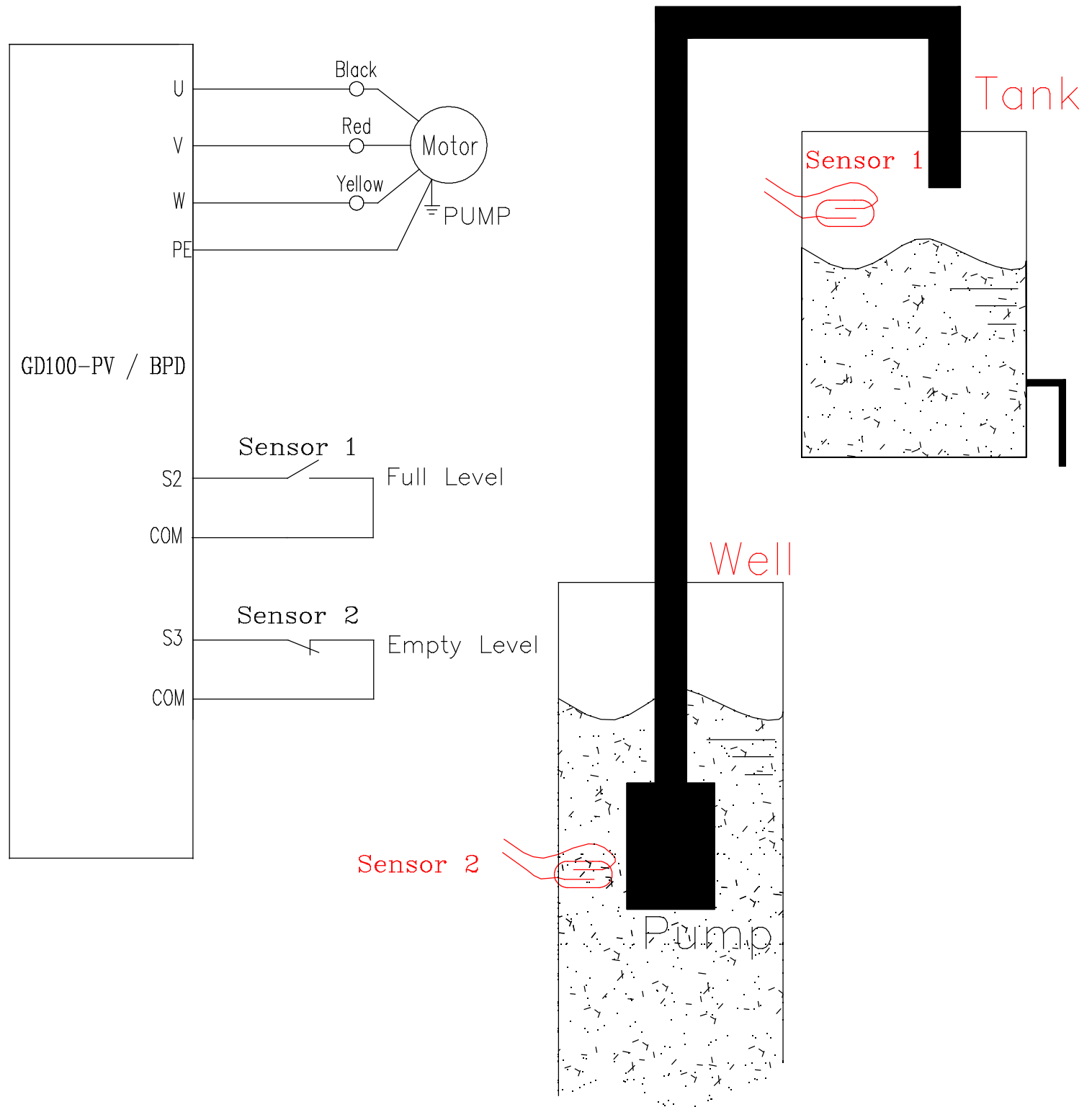
BPD setting time is P15.32 & P15.33.

If the water logic is reverse:(Sensor signal is invalid, but show At-F/At-L)

set P05.10=2 (Change NO to NC) if sensor connect to S2 & COM.

set P05.10=4 (Chagne NO to NC) if sensor connect to S3 & COM.

set P05.10=6 if two sensors logic are reverse.



SHENZHEN INVT ELECTRIC CO., LTD.

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| Designed | Designed Date | Std. Checked | Checked | Approved | Dwg. Name | Solar pump | Product | GD100-2R2G-SS25-PV-AS | | |
| | | | | | Dwg. NO. | | Revision | A | Page | 1/1 |