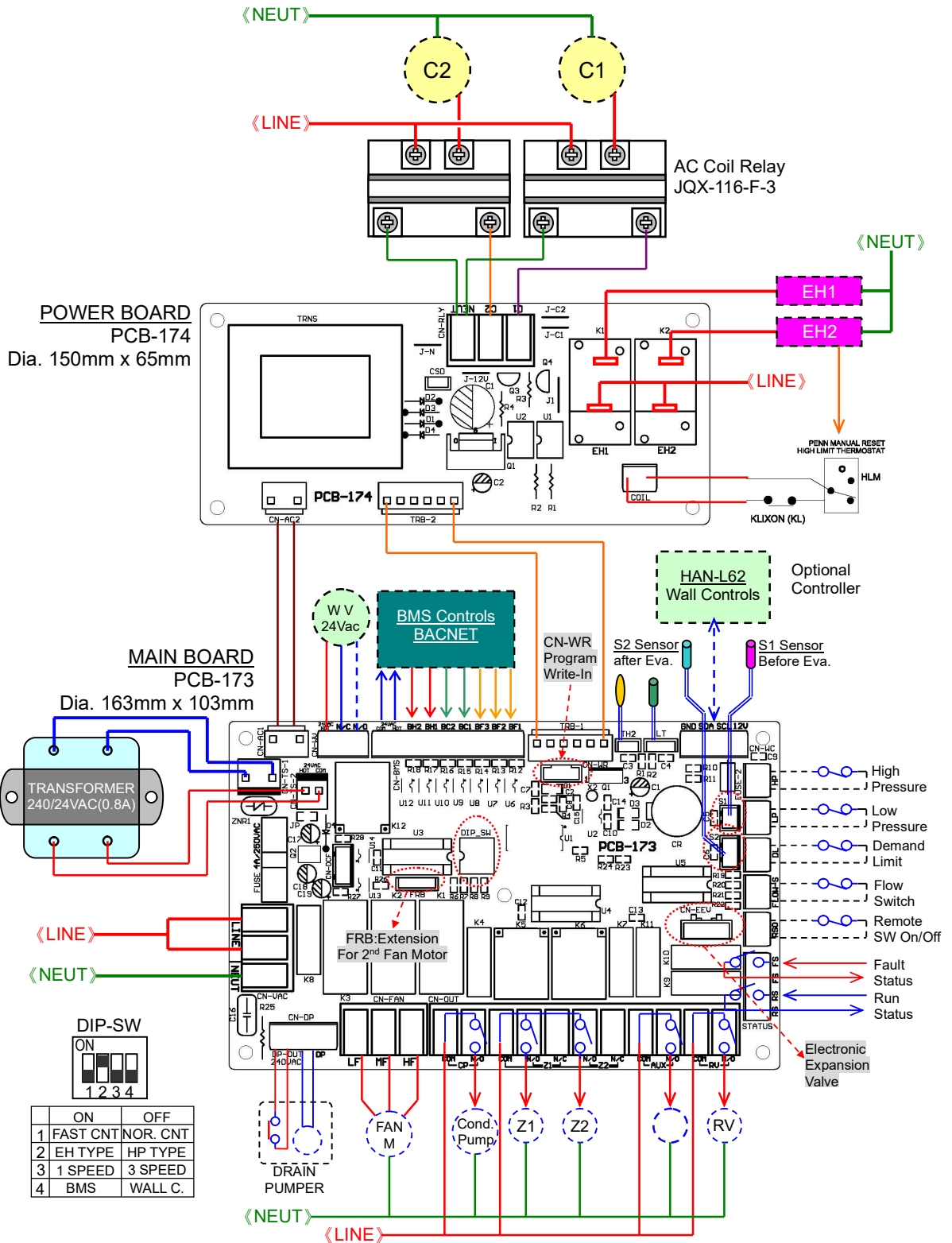


CONTROL LAYOUT FOR HANWEST TYPE -MPC MULTI-PURPOSE CONTROLLER.
THIS CONTROLLER IS AN OEM CONTROL AND CAN BE SUPPLIED WITH PROGRAMS
FOR WATER COOLED – AIR SOURCE – SINGLE OR TWO STAGE SYSTEMS.



DIP-SW

ON	OFF
1	FAST CNT NOR. CNT
2	EH TYPE HP TYPE
3	1 SPEED 3 SPEED
4	BMS WALL C.

2、Controls spec. Refer to Hanwest's 《JCI-WC-C-Spec 2R-2.doc》

3、EEV Controls (refer to the EEV spec. of SANHUA)

3-1、After the first electric power is applied, CPU will initialize EEV in operation below.

- 1) In order to make sure the EEV position is closed completely, CPU rotates the step motor in CCW for (500+75) pulses.
- 2) And then CPU to open the EEV to middle position by CW 300 pulses rotation.

3-2、When either the C1 or C2 is turned on, CPU will detects the temperature of S1、S2 and get their difference : $Y=S1-S2$, every once per 1 second.

3-3、CPU compare the Y and X(6°C S.H) and open or close EEV in following

- 1) if $X=Y$, the EEV is hold ;
- 2) if $X>Y$, the EEV will be opened by 2 pulses ;
- 3) if $X<Y$, the EEV will be closed by 2 pulses.

3-4、When C1、C2 both are turned off, above 3-2 and 3-3 are stop, the EEV is hold.

3-5、When the unit is turned off, above 3-2 and 3-3 are stop, the EEV is hold.

Please to test the EEV controls and check the following items.

- 1) The process of CPU gets the Y value→X、Y comparison→adjust the EEV be opened or closed every 2 pulses per 1 second.
2 pulses is EEV position increment or decrement, 2 pulses is too less or much ?
1 second is the time interval of EEV process , 1 second is too short or long ?
- 2) The EEV always be opened if $X>Y$; or always be closed if $X<Y$, never can meet $X=Y$? Check the sensor installation was wrong ? S1 must before EVA. S2 after Eva

END 2010/7/2