

SWITCH	CLOSE	OPEN
CLS		
OLS		
ACLS		
AOLS		

The diagram illustrates the electrical connections for a motor control system. It features a terminal block with 8 terminals and a current position transmitter board with various control and output points.

AC 1PH (V) Input: The main power supply enters from the top left.

Terminal Block Connections:

- Terminal 1:** Connected to the AC supply line.
- Terminal 2:** Connected to the AC supply line.
- Terminal 3:** Labeled "CLOSE".
- Terminal 4:** Labeled "STOP".
- Terminal 5:** Labeled "OPEN".
- Terminal 6:** Labeled "AUX CONTACT MAX, 250VAC 3A".
- Terminal 7:** Labeled "TO INDICATING METER 4-20mA OUTPUT".
- Terminal 8:** Labeled "TO INDICATING METER 4-20mA OUTPUT".

Motor and Heater Connections:

- HEATER 5W:** Connected to terminals 1 and 2.
- CLS (Close Limit Switch):** Connected to terminals 3 and 4.
- OLS (Open Limit Switch):** Connected to terminals 5 and 6.
- CONDENSER:** Connected to terminals 7 and 8.
- MOTOR (M):** Connected to terminals 1 and 2.
- TP (Thermal Protection):** Connected to terminals 3 and 4.

Current Position Transmitter Board Connections:

- ACLS (Automatic Close Limit Switch):** Connected to terminal 5.
- AOLS (Automatic Open Limit Switch):** Connected to terminal 6.
- OPEN/CLOSE LED LAMP (NON EXP ONLY):** Connected to terminal 7.
- POWER:** Connected to terminal 8.
- P.I.U. (Potentiometer):** Connected to terminal 8.
- POTENTIOMETER 1KΩ 1/2W:** Connected to terminal 8.
- BASE EARTH:** Connected to the potentiometer.

Indicating Meter: The output of the potentiometer is connected to the indicating meter.

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				SYM	E C N NO	CHANGES	DATE	SIGN	APPD
				DRAW	H,J KWON	PART NAME 1PH WIRING DIAGRAM ALS,CPT			
SA09L	1	SA09X	1	CHECK					
SA05L	1	SA05X	1	APPD					
APPLICATION				DATE '18,10,18		DWG NO.	ST-12800-B		