



- NOTES: 1) Contacts shown: Valve Closed, Voltage: Off, S/S :Hand
 2) [Square symbol] Customer wires to terminals on PWR and TBM modules.
 [Circle symbol] M2CP Internal terminal interconnect wiring points.

- Field Connected Wiring by OTHERS .
- Torque switch TC1 & TO1 NC contacts open, and TC2 & TO2 contacts make on field adjustable mechanical overload in (C) Close, or (O) in Open direction.
 - For Torque seated valve: Install G to H strap on LSM.
 - For maintained PB control: remove 5 to 6 strap on TBM.
 - For remote stop PB or relay: remove F3 to S strap on TBM.
 - O & C (22-21) Reversing contactor NC interlock contacts. O & C (14-13) Momentary pushbutton NO seal-in contacts.
 - Motor thermal contacts open with excessive temperature.
- 9) Position Indicator Pilot Lights: LED solid-state
 OPEN indicates: Full Open (RED)
 CLOSE indicates: Full Closed (GREEN)
 Mid-Position : Both OPEN and CLOSE illuminated.
 Pwr ON and Torque Indicators are only visible with cover open for convenience during maintenance procedures .

14) Use 90°C minimum rated conductors for customer field wiring to valve actuator.

SS Table

	Hand	Off	Auto
S1	X	O	O
S2	O	O	X
S3	O	X	X
S4	X	X	O
S5	X	O	O
S6	O	O	X
S7	X	X	O

	Valve Position	Contact Function		
		Close	MID	Open
CLOSE rotor	C1	O	X	X
	C2	X	O	O
	C3	O	X	X
	C4	X	O	O
	C5	O	X	X
	C6	X	O	O
OPEN rotor	O1	X	X	O
	O2	O	O	X
	O3	X	X	O
	O4	O	O	X
	O5	X	X	O
	O6	O	O	X
A	A1	X	O	Spare
	A2	O	X	Spare
B	B1	O	X	Spare
	B2	X	O	Spare

LSM	TBM	RCT	MTR	ISM
01	01	01	02	03

EMERSON
Process Management

OWN BY PB ORIGINAL DATE 10-04-2010

WIRING DIAGRAM

M2CP-106