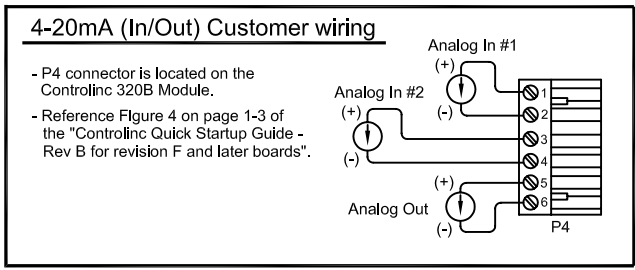


- NOTES: 1) Contacts shown: Valve Closed, Voltage: Off, S/S :Hand
 2) Customer wires to terminals on PWR and TBM modules.
 M2CP Internal terminal interconnect wiring points.
 - - - - Field Connected Wiring by OTHERS
 3) Torque switch TC1 & TO1 NC contacts open, and TC2 & TO2 contacts make on field adjustable mechanical overload in Close C, or in Open O, direction.
 4) For Torque seated valve: Install jumper G to H on LSM.
 5) For maintained PB control: remove 16 to 17 jumper on TBM.
 6) For remote stop PB remove F3 to S jumper and replace with NC PB.
 7) O & C (21-22) Reversing contactor NC interlock contacts.
 O & C (13-14) Momentary pushbutton NO seal-in contacts.
 9) POSITION INDICATORS : LED solid-state
 OPEN indicates: Full Open (RED)
 CLOSE indicates: Full Closed (GREEN)
 MID-POSITION : Both OPEN and CLOSE illuminated.

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 Close coil
	C2	X	O	O Bypass TO1
	C3	O	X	X Open lamp
	C4	X	O	O Logic
	C5	O	X	X Spare
	C6	X	O	O Spare
OPEN rotor	O1	X	X	O Open coil
	O2	O	O	X Bypass TC1
	O3	X	O	O Close lamp
	O4	O	O	X Logic
	O5	X	X	O Spare
	O6	O	O	X Spare

CONNECTORS:
 > LSM to TBM. >> R C to TBM.
 ISM to TBM. >> XFORM to TBM.

EMERSON
 Process Management

DOWN BY BP ORIGINAL DATE 04-01-09
 WIRING DIAGRAM

M2CP-113