

1PH MOTOR

ACTUATOR WIRING

CUSTOMER WIRING

MAIN POWER
1PH 50/60Hz (V)

- (O) OPEN LED LAMP
 (F) FAULT LED LAMP
 (C) CLOSE LED LAMP
 (R) REMOTE LED LAMP
 (L) LOCAL LED LAMP

TP
THERMAL
PROTECTOR

TRANSFORMER 25W

MAIN BOARD

LCU BOARD

** LIMIT SWITCH CONTACT POSITIONS **

MOTOR	CON-TACT	VALVE OPENING (%)
		0 100
ACLS	22-23	
	22-24	
AOLS	28-29	
	28-30	

— : CONTACT ON — — — : CONTACT OFF

** LIMIT SWITCH CONTROL POSITIONS **

MOTOR	CON-TACT	VALVE OPENING (%)
		0 100
CLS	1-2	
	1-3	
OLS	1-2	
	1-3	

— : CONTACT ON — — — : CONTACT OFF

** MONITOR CONTACT POSITIONS **

MOTOR	CON-TACT	MODE (REMOTE/OFF/LOCAL)
		OFF/LOCAL REMOTE
MONITOR	13-14	
	13-15	

— : CONTACT ON — — — : CONTACT OFF

** RUNNING SWITCH CONTACT POSITIONS **

MOTOR	CON-TACT	ACTION
		RUNNING STOP
CLOSING	19-20	
OPENNING	19-21	

— : CONTACT ON — — — : CONTACT OFF

** FAULT CONTACT POSITIONS **

MOTOR	CON-TACT	ACTION (150° OPEN)
		NORMAL FAULT
FAULT	16-17	
	16-18	

— : CONTACT ON — — — : CONTACT OFF

** NOTE **

OLS : OPEN LIMIT SWITCH
 CLS : CLOSE LIMIT SWITCH
 OTS : OPEN TORQUE LIMIT SWITCH
 CTS : CLOSE TORQUE LIMIT SWITCH
 AOLS : AUX, OPEN LIMIT SWITCH
 ACLS : AUX, CLOSE LIMIT SWITCH
 OC : OPEN MAGNET CONTACTOR
 CC : CLOSE MAGNET CONTACTOR

LIMITS SWITCH

POTENTIOMETER
0~1k3
2
1

ACLS

CLS

AOLS

OLS

TERMINAL BOARD

REMCOTROL-CLOSE	4	REM-CLOSE
REMCOTROL-OPEN	5	REM-OPEN
REMCOTROL-STOP	6	REM-STOP
REMCOTROL-ESD	7	REM-ESD
REMCOTROL-AUTO	8	REM-AUTO
REMCOTROL-AC COM	9	AC COM
REMCOTROL-DC COM	10	DC COM
REMCOTROL-DC24V+	11	DC24V+
REMCOTROL-DC 24V-	12	DC 24V-
MONITOR-COM	13	MONITOR AUX CONTACT MAX. 250VAC 5A
MONITOR-OFF/LOCAL	14	
MONITOR-REMOTE	15	
FAULT COM	16	FAULT AUX CONTACT MAX. 250VAC 5A
FAULT NC	17	
FAULT NO	18	
RUNNING COM	19	RUNNING AUX CONTACT MAX. 250VAC 5A
RUNNING CLOSE	20	
RUNNING OPEN	21	
FULL CLOSE COM	22	FULL CLOSE AUX CONTACT MAX. 250VAC 5A
FULL CLOSE NC	23	
FULL CLOSE NO	24	
	25	
	26	
	27	
	28	FULL OPEN AUX CONTACT MAX. 250VAC 5A
	29	
	30	
	31	
	32	
	33	

** TERMINAL BLOCK **

NO.	TERMINAL SIZE
1,2,3,4	Ø5*4EA
4~37	Ø4*27EA

INTERNAL POWERED

2-WIRE CONTROL

FULL OPEN/CLOSE

4 REM-CLOSE

5 REM-OPEN

9 DC COM

10 DC24V+

11 DC 24V-

12

INTERNAL POWERED

3-WIRE CONTROL

OPEN/CLOSE

4 REM-CLOSE

5 REM-OPEN

9 DC COM

10 DC24V+

11 DC 24V-

12

INTERNAL POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

4 REM-CLOSE

5 REM-OPEN

6 REM-STOP

9 DC COM

10 DC24V+

11 DC 24V-

12

EXTERNAL AC POWERED

2-WIRE CONTROL

FULL OPEN/CLOSE

4 REM-CLOSE

5 REM-OPEN

6

9 AC COM

10 AC110V

11

12

EXTERNAL AC POWERED

3-WIRE CONTROL

FULL OPEN/CLOSE

4 REM-CLOSE

5 REM-OPEN

6

9 AC COM

10 AC110V

11

12

EXTERNAL AC POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

4 REM-CLOSE

5 REM-OPEN

6

9 AC COM

10 AC110V

11

12

EXTERNAL DC POWERED

2-WIRE CONTROL

FULL OPEN/CLOSE

4 REM-CLOSE

5 REM-OPEN

6

9 DC COM

10 DC24V

11

12

EXTERNAL DC POWERED

3-WIRE CONTROL

OPEN/CLOSE

4 REM-CLOSE

5 REM-OPEN

6

9 DC COM

10 DC24V

11

12

EXTERNAL DC POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

4 REM-CLOSE

5 REM-OPEN

6

9 DC COM

10 DC24V

11

12

EXTERNAL DC POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

4 REM-CLOSE

5 REM-OPEN

6

9 DC COM

10 DC24V

11

12

INTERNAL ESD CONTROL

7 REM-ESD

9 DC COM

10 DC24V+

11 DC 24V-

12

EXTERNAL ESD CONTROL

7 REM-ESD

9 AC COM

10 AC110V

11

12

DRAW H.J KWON



SYM E C N NO

CHANGES

DATE

SIGN

APPD

CHECK

PART NAME

1PH WIRING DIAGRAM
INTEGRAL ON/OFF

APPD

DWG NO.

LU-201-A

DATE 17,06,30

NLO6 1

NLO4 1

APPLICATION