

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	0 100
	22-24	0 100
AOLS	28-29	0 100
	28-30	0 100

— : CONTACT ON — — — : CONTACT OFF

** LIMIT SWITCH CONTROL POSITIONS **

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

— : CONTACT ON — — — : CONTACT OFF

** MONITOR CONTACT POSITIONS **

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

— : CONTACT ON — — — : CONTACT OFF

** RUNNING SWITCH CONTACT POSITIONS **

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

— : CONTACT ON — — — : CONTACT OFF

** FAULT CONTACT POSITIONS **

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

— : 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
0~1k

CTS

OTS

ACLS

CLS

AOLS

OLS

TERMINAL BOARD

** TERMINAL BLOCK **

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

INTERNAL POWERED

2-WIRE CONTROL

FULL OPEN/CLOSE

REM-CLOSE

REM-OPEN

9 DC COM

10 DC24V+

11 DC 24V-

12 DC 24V-

INTERNAL POWERED

3-WIRE CONTROL

OPEN/CLOSE

REM-CLOSE

REM-OPEN

9 DC COM

10 DC24V+

11 DC 24V-

12 DC 24V-

INTERNAL POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

REM-CLOSE

REM-OPEN

6 REM-STOP

9 DC COM

10 DC24V+

11 DC 24V-

12 DC 24V-

EXTERNAL AC POWERED

2-WIRE CONTROL

FULL OPEN/CLOSE

REM-CLOSE

REM-OPEN

9 AC COM

10 AC110V

11

12

EXTERNAL AC POWERED

3-WIRE CONTROL

FULL OPEN/CLOSE

REM-CLOSE

REM-OPEN

6 REM-STOP

9 AC COM

10 AC110V

11

12

EXTERNAL AC POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

REM-CLOSE

REM-OPEN

6 REM-STOP

9 AC COM

10 AC110V

11

12

EXTERNAL DC POWERED

2-WIRE CONTROL

FULL OPEN/CLOSE

REM-CLOSE

REM-OPEN

6

9 DC COM

10 DC24V

11

12

EXTERNAL DC POWERED

3-WIRE CONTROL

OPEN/CLOSE

REM-CLOSE

REM-OPEN

6

9 DC COM

10 DC24V

11

12

EXTERNAL DC POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

REM-CLOSE

REM-OPEN

6 REM-STOP

9 DC COM

10 DC24V

11

12

EXTERNAL DC POWERED

4-WIRE CONTROL

OPEN/STOP/CLOSE

REM-CLOSE

REM-OPEN

6 REM-STOP

9 DC COM

10 DC24V

11

12

INTERNAL ESD CONTROL

REM-ESD

9 DC COM

10 DC24V+

11 DC 24V-

12 DC 24V-

EXTERNAL ESD CONTROL

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.

LS-201-A

DATE 17,06,30

NL25	1
NL20	1
NL10	1
NL08	1
APPLICATION	