



TORQUE AND LIMIT SWITCH OPERATION		
SWITCH	CLOSE ← INTERMEDIATE → OPEN	
CLS 1-2		
CLS 1-3		
OLS 1-2		
OLS 1-3		
CLS1-2		
CLS1-3		
AOLS1-2		
AOLS1-3		
CTS 1-3	* CLOSING TORQUE SWITCH INTERRUPTS CONTROL IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE	
OTS 1-3	* OPENING TORQUE SWITCH INTERRUPTS CONTROL IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE	
SYMBOL	DESCRIPTION	RATING
CLS	CLOSE LIMIT SWITCH	250VAC 10A
OLS	OPEN LIMIT SWITCH	250VAC 10A
CTS	CLOSE TORQUE SWITCH	250VAC 10A
OTS	OPEN TORQUE SWITCH	250VAC 10A
ACLS	AUX. CLOSE LIMIT SWITCH	250VAC 16A
AOLS	AUX. OPEN LIMIT SWITCH	250VAC 16A
OC	CLOSE MAGNETIC COIL	
TP	OPEN MAGNETIC COIL	
	THERMAL PROTECTOR	250VAC 15A

*EACH ACTUATOR SHOULD BE POWERED THROUGH IT'S OWN INDIVIDUAL SWITCH OR RELAY CONTACTS TO PREVENT CROSS FEED BETWEEN TWO OR MORE ACTUATORS.

DRAW	P.S. KIM	CHECK	
DESIGN	S.I. CHOI	APPR.	
PART NAME		DC WIRING DIAGRAM	
DWG. NO		HQ-81000-A	
ISSU. DEPT. HADR		DATE 2001.05.10	
HQ-030			
HQ-020			
HQ-015			
APPLICATION		HK CONTROMATIC CO., LTD.	

HKC