



REV.NO.	DATE	REVISION DESCRIPTION	DRAWN	DESIGN	REVIEWED	APPROVED
1						
2						
3						

TORQUE AND LIMIT SWITCH OPERATION

SWITCH	CLOSE ←	INTERMEDIATE	→ OPEN
CLS 1-2			
CLS 1-3			
OLS 1-2			
OLS 1-3			
ACLS 1-2			
ACLS 1-3			
AOLS 1-2			
AOLS 1-3			

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	Resistive load
CLS	CLOSE LIMIT SWITCH	250VAC 16A
OLS	OPEN LIMIT SWITCH	250VAC 16A
CTS	CLOSE TORQUE SWITCH	250VAC 16A
OTS	OPEN TORQUE SWITCH	250VAC 16A
ACLS	AUX. CLOSE LIMIT SWITCH	250VAC 16A
ACOS	AUX. OPEN LIMIT SWITCH	250VAC 16A
TP	THERMAL PROTECTOR	CLASS F

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

DRAWN	DATE	FINISH TREATMENT			
S.J.H	13-10-10	-			
DESIGN	DATE	SPECIFICATION	DRAWING TITLE		
S.J.H	13-10-10	-	WIRING(1Ph_ON/OFF)		
REVIEWED	DATE	MATERIAL	DRAWING No.		REV.
P.D.Y	17-10-10	-	ATM0160-1S511		0
APPROVED	DATE	SCALE	PROJECTION	MODEL	SHEET
P.D.Y	17-10-10	1 / 1	3rd	ATM0160N-ATM3000N	1 / 1