

Motor Controls Session 1

Standard Elementary Diagram Symbols

Pushbuttons													
	Moment		Maintained Contact					Illuminated					
Single	Double	Mushr					0		One Double		\-	~	
Circuit	Circuit	Head		Stick	ck Circ		IITS		Circuit		— (F) —	
0 NO 0		<u></u>		ە تە		7	<u> </u>		- 		نَ		
NO	مـــه					 	1	0	10 _	┡	0	0	
مـــه	0 0			•					١ - .	'	O	O	
NC						1-1			<u> </u>	1			
Selector Switch													
2-Position 3-Posi					sitic	on 2-Position Selector Push Butto						tton	
	J K J K J A1 I 0			L •A1	A1	J K L A B Selector Position A A D					Push Contacts Button 1-2 3-4 Free I epressed I		
0 0	Δ2 1 -		$\overline{}$	O A2	42		3 0	04		Fre		i	
	I = contact		I = contact closed				I = contact closed						
	Wiring										Connections		
Not	Not 0		Power			Control	Wirir	ng	0	M	Mechanical		
Connect	ted Coni	(Connected)				onductor	Termi	_	Ground				
												.	
			Copyright 2017, www.MikeHo			olt.com		=	l N	Mechanical Interlock			



Motor Controls Session 1

Standard Elementary Diagram Symbols

	Terms							
SPS	T NO	SPS	TNC	SP	TD	SPST:		
Single Break	Double Break	Single Break	Double Break	Single Break	Double Break	Single-Pole Single-Throw		
9	0 0	0	0 0	000	<u>o</u> o	SPDT: Single-Pole Double-Throw DPST:		
DPST	, 2 NO	DPST	, 2 NC	DP	DT	Double-Pole		
Single Break	Double Break	Single Break	Double Break	Single Break	Double Break	Single-Throw DPDT:		
0	0 0	0 ! 0	0 0	0 0	0 0	Double-Pole Double-Throw NO		
010	0 0	0 0	ماه	٥١٥	0 0	Normally Open NC Normally Closed		



Motor Controls Session 1

Standard Elementary Diagram Symbols

Contacts											Overload		
Instant	Timed Contact							Relays					
Normally	Norn	Normally (Contact action is retarded after coil is:							Therma	al	Magnetic
Open Clos		sed		Ener	gized		De-energized						
				NOTC		NCTO		ото ист		TC	ſŢŢ		ŢŢ
NO \mp	NC :	7	<u>~</u>	T				__	1	0	个		17
•		Tra	ansfo	nsformers						Inductors			
Iron Core Air Core Auto			0	Current			Oual Voltage Iron			n Core Air Core		Air Core	
السا		-ut	r	w luw		<u>~~</u>		<u>~</u> .		\mathcal{M}			
		Pilot Light											
	So	Solenoid			Push-to-test						Non Push-to-test		
-()-		- \-		Color indicated by					⊱	· ————————————————————————————————————			
									letter				