Air Pressure Switch Setup

Setting up the Air Pressure Switch. Phots are from ZX5.

Difficulty Easy

Ouration 5-10 minute(s)

Contents

Step 1 - Reduce pressure to around 4 Bar on the air service unit where the pressure switch is wired.

- Step 2 Find the Input on the service /IO tab
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- Step 5 Re-adjust the pressure back up to 6Bar
- Step 6 Make sure the Alarm is the correct sense

Step 7 - Test by removing the air from the machine to see if it produces the 'Air Pressure Low' Alarm Comments

Step 1 - Reduce pressure to around 4 Bar on the air service unit where the pressure switch is wired.



Step 2 - Find the Input on the service /IO tab

This is usually called 'AIR'.

From this point you will either need to have somebody watch the input on the screen or have means (eg dialled in on a laptop) to be able to watch the output while carrying out he next step.

lear Blockages E	Bar Data Tests	10 IO-Infeet	Spindle 10 Outfi	eed 10 Drives Prof	iles And Operations P	rogramming inform	ation Output Timing	Alam Log Acc	uracy Vi	sualiser	
Inputs					Outputs						
X321 box FSbut	X46	X50	X459 Int Voitin	X10	¥350	V389	V126 CuC_Report				
X110 InA ESRearEn	X47 InA STOP	X53 InB ZHome	X460 InB_VCutDn	X44 InC GripSw	¥351 Cu8 CL15	Y387 OUB VMOT	Y127 OUC BmPosO	V121 Out: GripH			
X117 InA_ESRearM	X48 InA_ESRST	1056 Diff_Rhome	X63 Dr8_CITHm	X289 InC_BmPosH	V386 OUB_CLOI						
X346 InB_GuardFr1	X160 InA_Auto	X120 Inf_Whome	X59 In8_CIOTHm	X290 InC_BmPosO	V270 CuB_CLIHold			V122 OUC_BlvRack			
3047 InB_GuardFrO			InB_CIISHm	InC_OBEAM	Y244 OuC_BhvMLoa	V216 CuB_Red		V272 OUC_BlwRai			
X348 In6_GuardRel	X282 InA_Resume	-	In8_CIO94m	M331 InC_ModClear	V269 Ou8_BlwRing	V217 Ou8_Amber					
X349 In8_GuardReO		\sim	Mills	X286 InC_CrankO	¥395 Ou8_CLV	V218 Ou8_Green		V124 OuC_Roler			
X164 InA_LightBeam		¥325 5≓_AIR	K112 InB_CNShin	X287 InC_CrankH				V125 OuC_Chan1			
X4IS InA_ESOk		CB41	X247 InB_VSafe	X283 InC_GripHH				V273 OuC_CrankFW			
		X450 InB_WOVL		100	V201 Ou8_GuardOp			V274 DuC_CrankRE			
				X129 InC_ESMid	V360 CuB_BhvVk						
				InC_ESEnd							
Note - A darker co	aloured IO signifies	that the input is inv	erted (RED-Input O	FF) Cycle Timer				-		•	
10 1095				0.0 1 10	rease this timer to cycle	any selected	chagnostics On	Test Part	* 🛪		E

Step 3 - Slowly adjust the dial for the pressure switch

Use a 4mm Allan Key for this. (Anti-clockwise)



Step 4 - Watch for the Input to switch

At the point the input switches back the dial up slightly for it to switch back.



Step 5 - Re-adjust the pressure back up to 6Bar

Step 6 - Make sure the Alarm is the correct sense

In the Settings/ Alarms tab make sure the Alarm will be produced at the correct sense the input is switching.

latur	Tests /	Accuracy Param	eters	Axes	Tooling IO Map	0	Jamps	x	Holds Aa	ms Profile	Co	lours Notching Fine Adjustr	nent	Rack	Offset	
	Reft	to Input Ref	_	iState	Output Ref	_	oSta	te	Timeout	Action	_	Message	Mod	ule	Enbld	DemoH
11		InC_BmPosO	~	On	OUB_CLV	v	On	v	0	498000	~	V Notching Attempted Bea	001	-		
	20	InF_AIR	V	On	<undefined></undefined>	×	Off	~	50	3-Cycle	V	Air Pressure Low	Both	~		0
1	22	Ing WOW	-	On	distant		Off		0	2 Cycle		Rear Veneteed Tripped	MU			
	33	InB_VOVL	~	On	<undefined></undefined>	V	Off	~	0	3-Cycle	~	V Notch Motor Overload	MH	~		0
	41	In D. Involt		08	CDINI	1.	00		0	2.Outle	1.	Coinda 1 Mater Alarm	MU	1.1	-	

Step 7 - Test by removing the air from the machine to see if it produces the 'Air Pressure Low' Alarm