

TB0266 Grip released Sensor Upgrade

Retrofitting Grip Released sensor on Autoflow

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Technical Bulletin

TB Number:	266
Originator:	Gareth Green
Machine:	Autoflow
Date:	24/09/14
Circulate to:	Internal
Title:	Grip released Sensor Upgrade

Problem

Gripper sticking shut at end of bar on Autoflow. Can lead to damage to clamps

Solution

Fit R0010271 upgrade kit to put a sensor X001 on gripper cylinder to detect if released.



Sensor P0001013 should be labelled X001 and has cable and M8 connector already attached.

Plug into FB06A port 2.

Reed switch needs

P0001041 mounting bracket and P0001042 mounting band

to fix to cylinder body.

Programming

TwinCAT system manager needs link to input array no 1 in this port

A2008 v3 Clute Mower.bmi - TwinCAT System Manager - A2008
 File Edit Actions View Options Help

Outputs
 InfoData
 X Axis (AS101-000-020)
 Module A IO EK100
 FB01A (EP238-001)
 FB02A (EP238-001)
 FB03A (EP238-001)
 FB04A (EP238-001)
 FB14A (EP238-001)
 FB05A (EP238-001)
 FB06A (EP238-001)

Channel 1
 Channel 2
 Channel 3
 Channel 4
 Channel 5
 Channel 6
 Channel 7
 Channel 8
 Channel 9
 Channel 10
 Channel 11
 Channel 12
 Channel 13
 Channel 14
 Channel 15

General EtherCAT Process Data Online
 Name: FB06A (EP238-001) Id: 12
 Type: EP238-001 0 Ch. Dig. Input-Output 24V 0.5A, MB
 Comment:
 Disabled Create symbols

Name	Online	Type	Size	>Addr...	In/Out	User ID	Linked to
Input	X 0	BOOL	0.1	1570.0	Input	0	bbInputArray[46] , bbInput...
Input	X 0	BOOL	0.1	1570.1	Input	0	bbInputArray[2] , bbInputA...
Input	X 1	BOOL	0.1	1570.2	Input	0	bbInputArray[1] , bbInputA...
Input	X 0	BOOL	0.1	1570.3	Input	0	bbInputArray[3] , bbInputA...
Input	0	BOOL	0.1	1570.4	Input	0	