

# Bloc Fonction



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 0.15€ TTC/mn

Référence	FZ3_Control
Révision	1.0
Auteur	JP Viskovic
Date	13/05/2011
+ Support	<a href="http://support-omron.fr/">http://support-omron.fr/</a>

## FZ3\_Control

Function	Controlling a vision sensor FZ3 through EthernetIP																											
File	<a href="#">FZ3_Control.cxf</a>																											
Model available	Controller FZ3 PLC : CJ2H-CPU6x-EIP, CJ2M and CJ1W-EIP21 Unit																											
Conditions d'utilisation	<p>Command :</p> <ul style="list-style-type: none"> <li>- Single measure</li> <li>- Continuous measure</li> <li>- Clear measure</li> <li>- Switch scene</li> <li>- Next data output (DSA)</li> <li>- Read/write parameters</li> </ul> <p>The function block uses a reserved memory area CIO 5800 to 5833.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="2">Command area</th> <th colspan="2">Response area</th> </tr> <tr> <td>CIO 5804</td> <td rowspan="2">Param 1</td> <td>CIO 5818</td> <td rowspan="2">Data 0</td> </tr> <tr> <td>CIO 5805</td> <td>CIO 5819</td> </tr> <tr> <td>CIO 5806</td> <td rowspan="2">Param 2</td> <td>CIO 5820</td> <td rowspan="2">Data 1</td> </tr> <tr> <td>CIO 5807</td> <td>CIO 5821</td> </tr> <tr> <td>CIO 5808</td> <td rowspan="2">Param 3</td> <td style="text-align: center;">:</td> <td>Etc ...</td> </tr> <tr> <td>CIO 5809</td> <td>CIO 5832</td> <td rowspan="2">Data 7</td> </tr> <tr> <td></td> <td></td> <td>CIO 5833</td> <td></td> </tr> </table>	Command area		Response area		CIO 5804	Param 1	CIO 5818	Data 0	CIO 5805	CIO 5819	CIO 5806	Param 2	CIO 5820	Data 1	CIO 5807	CIO 5821	CIO 5808	Param 3	:	Etc ...	CIO 5809	CIO 5832	Data 7			CIO 5833	
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Restrictions of use	<p>The FB uses memories :</p> <p>CIO 5800-5809 for the control area</p> <p>CIO 5810-5824 for the response/status area</p> <p>EthernetIP Tags should use these 2 areas.</p>																											

Example			<table border="1"> <thead> <tr> <th colspan="3">FZ_Control</th> </tr> </thead> <tbody> <tr> <td>(BOOL) EN</td> <td>(BOOL) ENO</td> <td></td> </tr> <tr> <td>(BOOL) Single_M</td> <td>(BOOL) Busy</td> <td>Busy W10.05</td> </tr> <tr> <td>(BOOL) Continuous_M</td> <td>(UDINT) Resp_Code</td> <td>Code W13</td> </tr> <tr> <td>(BOOL) Clear_M</td> <td>(BOOL) OR_Judgement</td> <td>OR_Judg W10.08</td> </tr> <tr> <td>(BOOL) DSA</td> <td>(BOOL) RUN</td> <td>Run W10.07</td> </tr> <tr> <td>(BOOL) Switch_Scene</td> <td>(BOOL) GATE</td> <td>Gate W10.15</td> </tr> <tr> <td>(BOOL) Get_Unit_Data</td> <td>(BOOL) ERR</td> <td>Error W10.06 RUN</td> </tr> <tr> <td>(BOOL) Set_Unit_Data</td> <td>(UDINT) Error_Code</td> <td>ErrorCode W11</td> </tr> </tbody> </table>			FZ_Control			(BOOL) EN	(BOOL) ENO		(BOOL) Single_M	(BOOL) Busy	Busy W10.05	(BOOL) Continuous_M	(UDINT) Resp_Code	Code W13	(BOOL) Clear_M	(BOOL) OR_Judgement	OR_Judg W10.08	(BOOL) DSA	(BOOL) RUN	Run W10.07	(BOOL) Switch_Scene	(BOOL) GATE	Gate W10.15	(BOOL) Get_Unit_Data	(BOOL) ERR	Error W10.06 RUN	(BOOL) Set_Unit_Data	(UDINT) Error_Code	ErrorCode W11
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Documentations	<a href="#">FZ3 EthernetIP</a> , <a href="#">Manual FZ3</a> , <a href="#">EDS file</a> , <a href="#">Error code PLC</a>																															

## Input variables

Name	Type	Range	Function
EN	BOOL	OFF-ON	ON = FB executed
Single_M	BOOL	OFF-ON	Single measure command
Continuous_M	BOOL	OFF-ON	Continuous measure command
Clear_M	BOOL	OFF-ON	Clear measure
DSA	BOOL	OFF-ON	Request the next data output
Switch_Scene	BOOL	OFF-ON	Switch to ne scene defined in Param1
Get_Unit_Data	BOOL	OFF-ON	Parameter read commmand (Param1-3)
Set_Unit_Data	BOOL	OFF-ON	Parameter write commmand (Param1-3)

## Output variables

Nom	Type	Plage	Fonction
ENO	BOOL	OFF-ON	FB processed normally
Busy	BOOL	OFF-ON	Controller busy
Resp_Code	BOOL	OFF-ON	0000 0000 : Good FFFF FFFF : Not good
OR_Jugement	BOOL	OFF-ON	ON : Judgment NG
RUN	BOOL	OFF-ON	Controller FZ in RUN mode
GATE	BOOL	OFF-ON	Data output completed
ERR	BOOL	OFF-ON	Error
Error_Code	UDINT	0-FFFFFFFF	Error Code