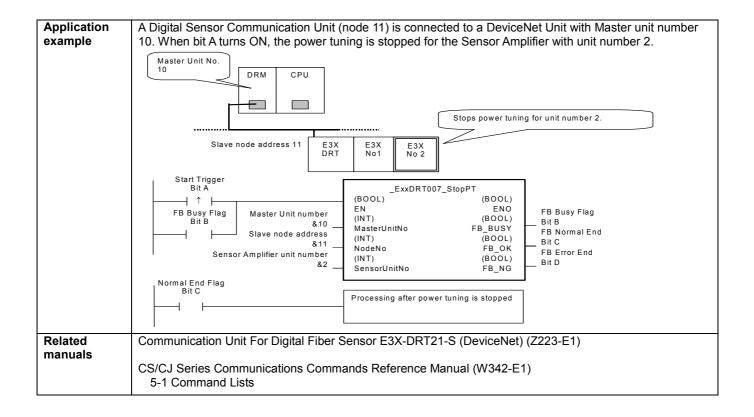
Clearing Power Tuning: _ExxDRT007_StopPT

| Symbol Sum Trigger | Basic function | Clearing power tuning | in a Digital Type Sensor in the DeviceNet network. | | | | |
|--|----------------|--|--|--|--|--|--|
| BOOL3 BOOL5 BNO (RT) BNO | | Start Trigger | FDDT007 01 DT | | | | |
| File name Applicable Master Untinumber Silve node address Sensor Amplifer unt number Silve node address Sensor Amplifer untinumber Sensor Manifer untinumber Sensor Manifer untinumber LibIFBL\text{internode} Silve Port Master Untinumber Applicable Master CSTW-DRN2? (V1) and CJTW-DRN2! Onlis Applicable Silve E3X-DRT21-S Units Silve E3X-DRT21 | - Cyllibol | 11 | | | | | |
| Boundary Tape | | | | | | | |
| Masterdunino Fig. Bussy Fig. Masterdunino Fig. Bussy Fig. | | Busy Flag | (INT) (BOOL) | | | | |
| File name Applicable models Applicable sensor Amplifier unit number Applicable sensor Amplifier unit number Applicable sensor Applicable sensor Applicable sensor Sens | | Masi | er Unit humber 1 Telephone 1 T | | | | |
| File name Applicable models Lib\FBL\commonlib\DigitalTypeSensonExxDRT\ ExxDRT07\ StopPT10.cxf | | Slave | onode address IIII i i i i i i i i i i i i i i i i | | | | |
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| Units | | | | | | | |
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| Applicable Sensor E3X Series: E3X-DA-S, E3X-MDA, E3X-DATM-S, and E3X-DARM-S Amplifiers E3C Series: E2C-LDA two-output models and E3C-LDA input models CPU Unit C31*-CPU**H Unit version 3.0 or higher CJ1*-CPU**H Unit version 3.0 or higher Sensor • If a Mobile Console is connected when the power is turned ON, the function cannot be used because communications cannot be established with the Sensor. • The Sensor must be in RUN mode. The function cannot be used when the Sensor is in another mode, i.e., SET mode. CPU Unit Settings PLC Setup: Shared Settings for Communications Instructions in FBs • DeviceNet Response Timeout Time (default: 2 s) A Timeout time of 10 s or higher is recommended. • Number of retries (default: 0) Shared Resources • Communications ports (internal logical ports) Other • Communications must be within one network and cannot cross to another network. Clearing power tuning for the Sensor Amplifier in the DeviceNet network with the specified Master Unit number, Slave node address, and Sensor Amplifier unit number. • The FB is processed over multiple cycles. The FB_BUSY output variables can be used to check whether the FB is being processed. • FB_ROK or FB_NC will be turned ON for one cycle only after processing is completed. Use these flags to detect the end of FB processing. • Timpic Chart Start Trigger ON FB Browel End (FB_NG) OFF FB Busy Flag (FB_BUSY) ON OFF FB Normal End (FB_NG) OFF FB Normal End | | | | | | | |
| Amplifiers E3C Series: E3C-LDA two-output models and E3C-LDA input models E2C Series: E3C-EDA two-output models and E3C-EDA input models CPU Unit C51*-CPU**H Unit version 3.0 or higher CJM-CPU** Unit version 3.0 or higher CJM-CPU** Unit version 3.0 or higher CJM-CPU** Unit version 5.0 or higher CYPIH CX-Programmer Version 5.0 or higher Fall Mobile Console is connected when the power is turned ON, the function cannot be used because communications cannot be used when the Sensor is in another mode, i.e., SET mode. CPU Unit Settings PLC Setup: Shared Settings for Communications Instructions in FBs DeviceNet Response Timeout Time (default: 2 s) A Timeout time of 10 s or higher is recommended. Number of retries (default: 0) Shared Resources Communications must be within one network and cannot cross to another network. Clearing power tuning for the Sensor Amplifier in the DeviceNet network with the specified Master Unit number. Function German Salve node address, and Sensor Amplifier in the DeviceNet network with the specified Master Unit number. The FB is processed over multiple cycles. The FB_BUSY output variable can be used to check whether the FB is being processed. FB_OK or FB_NG will be turned ON for one cycle only after processing is completed. Use these flags to detect the end of FB_Busy Flag (FB_Busy) On OFF FB Normal End (FB_NG) Or ON OFF | | | E3X Series: E3X-DA-S, E3X-MDA, E3X-DATW-S, and E3X-DARM-S | | | | |
| E2C Series: E2C-EDA two-output models and E2C-EDA input models CPU Unit | | | | | | | |
| CPU Unit CS1*-CPU**H Unit version 3.0 or higher C.11*-CPU** Unit version 5.0 or higher C.11*-CPU | | | | | | | |
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| Do not turn the FB_BUSY output variable ON or OFF outside the FB. | variables | | | | | | |
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Variable Tables Input Variables

| Name | Variable name | Data type | Default | Range | Description |
|---------------------------------|---------------|-----------|---------|------------------------------|--|
| EN | EN | BOOL | | | 1 (ON): FB started 0 (OFF): FB not started. |
| Master Unit No. | MasterUnitNo | INT | &0 | &0 to &15 #0 to #F | Specify the unit number of the DeviceNet Unit. |
| Slave node address | NodeNo | INT | &0 | &0 to &63 | Specify the node address of the slave. |
| Sensor Amplifier unit number | SensorUnitNo | INT | &1 | &1 to &13 or &1 to &16 | Depending on the communication mode setting, the maximum number of connectable Units is either 13 or 16 Units. Specify a unit number within the allowed range. Refer to the <i>Related Manuals</i> for details. |

Output Variables

| Catpat ranabioo | | | | |
|-------------------|---------------|-----------|-------|---|
| Name | Variable name | Data type | Range | Description |
| ENO | ENO | BOOL | | 1 (ON): FB processed normally. |
| (May be omitted.) | | | | 0 (OFF): FB not processed or ended in an error. |
| FB Busy Flag | FB_BUSY | BOOL | | Automatically turns OFF when processing is |
| | | | | completed. |
| FB Normal End | FB_OK | BOOL | | Turns ON for one cycle when processing ends |
| | | | | normally. |
| FB Error End | FB_NG | BOOL | | Turns ON for one cycle when processing ends in an |
| | | | | error. |

Internal Variables

Internal variables are not output from the FB.

If the FB_NG Flag turns ON, the following internal variables can be monitored to obtain information on the error.

| Name | Variable name | Data type | Range | Description |
|-----------------------------|--------------------|-----------|-------|--|
| FINS error code | FINS_ErrorCode | WORD | | The FINS error code is output. A code of #0000 is output for a normal end. Refer to the <i>Related Manuals</i> for details on the error codes. |
| Explicit message error code | Explicit_ErrorCode | WORD | | Outputs the explicit message error code. A code of #0000 is output for a normal end. Refer to the <i>Related Manuals</i> for details on the error codes. |

Explicit Error Code Details

| Explicit Ello | Explicit Error Code Details | | | |
|---------------|-----------------------------|---|--|--|
| Code | Contents | Meaning | | |
| #0000 | Normal end | | | |
| #16FF | No Sensor Amplifier | There is no Sensor Amplifier with the specified unit number. | | |
| #0CFF | Not executable | The specified command cannot be executed. • A Mobile Console is connected. | | |
| | | There is an error in communications with the Sensor Amplifier. | | |
| | | The Sensor Amplifier is in an operation mode other than RUN mode. | | |
| | | The FB was executed for a Sensor Amplifier that is not supported. | | |
| #20FF | Not supported. | The specified command is not supported. | | |

Version History

| Version | Date | Contents |
|---------|---------|---------------------|
| 1.00 | 2005.4. | Original production |

Note

This manual is a reference that explains the function block functions.

It does not explain the operational limitations of Units, components, or combinations of Units and components. Always read and understand the Operation Manuals for the system's Units and other components before using them.