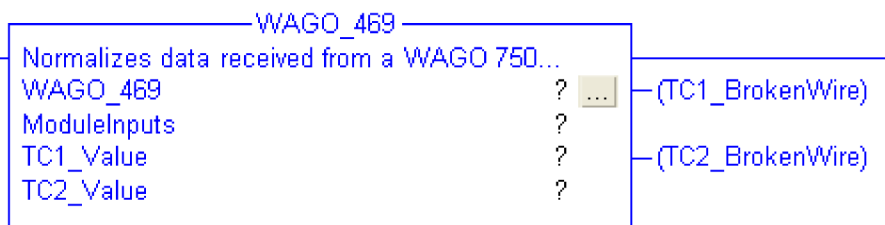


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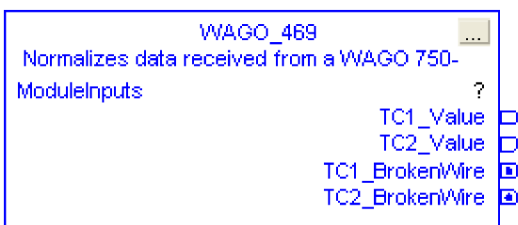
Normalizes data received from a WAGO 750-469 2-Channel Thermocouple Input Module.

Available Languages

Relay Ladder



Function Block



Structured Text

WAGO_469(ModuleInputs);

Parameters

Required	Name	Data Type	Usage	Description
X	WAGO_469	WAGO_469	InOut	Normalizes data received from a WAGO 750-469 2-Channel Thermocouple Input Module.
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	ModuleInputs	SINT	InOut	Input process image of WAGO 750-469 module.
	TC1_Value	DINT	Output	Temperature in Degrees C (x10)
	TC2_Value	DINT	Output	Temperature in Degrees C (x10)
	TC1_BrokenWire	BOOL	Output	TC1 Broken Wire Detected
	TC2_BrokenWire	BOOL	Output	TC2 Broken Wire Detected

Extended Description

The WAGO_469 instruction normalizes data received from a WAGO 750-469 2-Channel Thermocouple Input Module. When the 'Enable' input is TRUE, the instruction provides the following information:

- Thermocouple 1 temperature in degrees C (x10)
- Thermocouple 1 broken wire detection
- Thermocouple 2 temperature in degrees C (x10)
- Thermocouple 2 broken wire detection

The 'ModuleInputs' array must be mapped to the 4-byte (SINT) input process image of the respective WAGO 750-469 2-Channel Thermocouple Input Module.

Use the Copy (COP) instruction to copy the 750-469 module's 4-byte (SINT) input process image (see 'Controller Tags') to a SINT[4] array for passing data to the 'ModuleInputs' InOut array. Perform this operation before calling the 750_469 Add-On Instruction.

The outputs TC1_BrokenWire & TC2_BrokenWire provide the following indication:

- Off (FALSE) : No broken wire detected.
- On (TRUE) : Broken wire detected.

Consult the WAGO 750-469 Product Manual for further information about the 2-Channel Thermocouple Input Module.

Execution

<u>Condition</u>	<u>Description</u>
EnableIn is true	

Revision v1.1 Notes

Changed input parameters for consistency with other WAGO Add-On Instructions. No change in functionality.