

FUN 72  
TP4

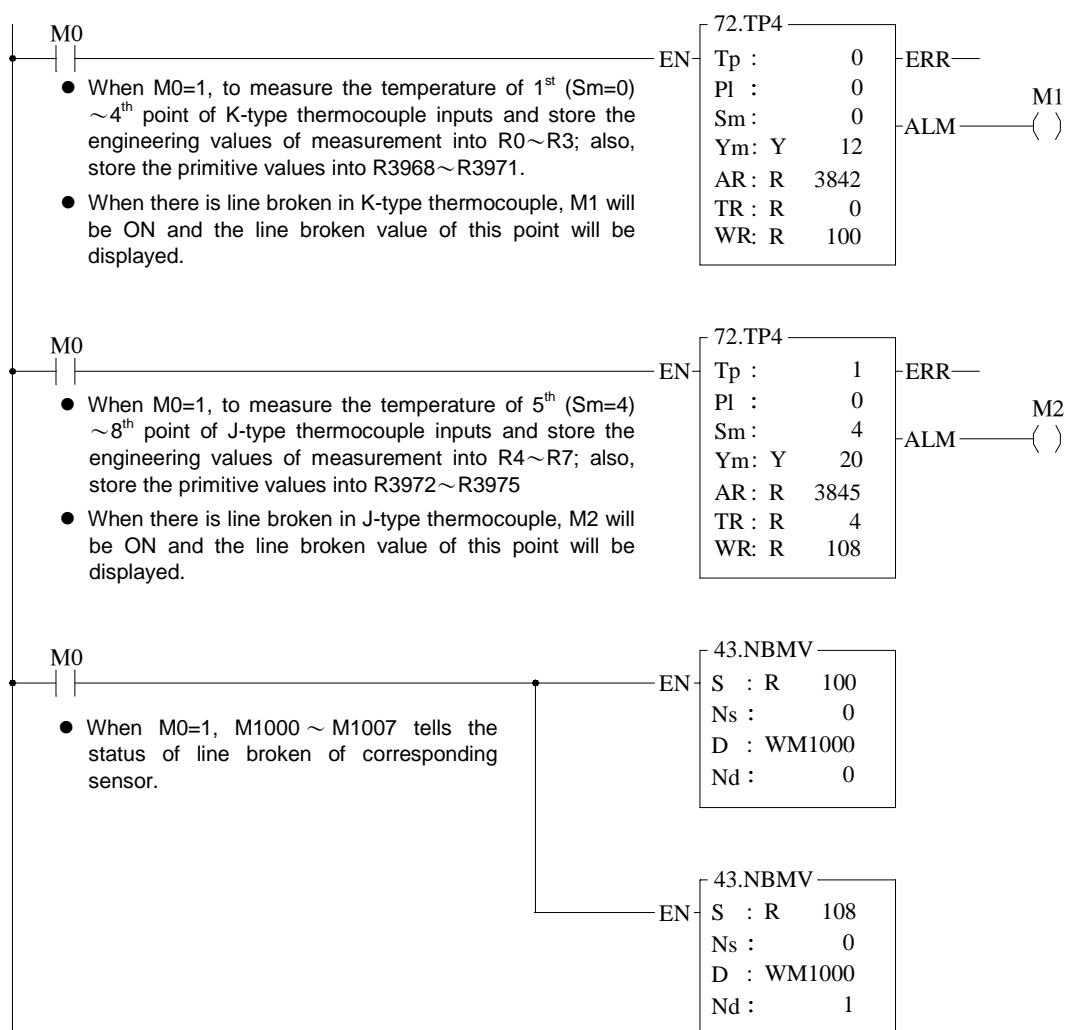
Convenient instruction proper to FB-2AJ(K)4/FB-2AH(T)4 temperature module

FUN 72  
TP4**Program example 1**

The main unit is FBx-28MC(A), the FB-2AK4 temperature module is attached to the main unit, and the FB-2AJ4 temperature module is attached to FB-2AK4 module. The setting of polarity and span are 0~10V for both of temperature modules.

※ The analog input address for temperature measurement of FB-2AK4 is R3842.

※ The analog input address for temperature measurement of FB-2AJ4 is R3845.



FUN 72 TP4	Convenient instruction proper to FB-2AJ(K)4/FB-2AH(T)4 temperature module	FUN 72 TP4
<div><div>Program example 2</div><div>The main unit is FBx-28MC(A), the FB-2AH4 temperature module is attached to the main unit, and the FB-2AT4 temperature module is attached to FB-2AH4 module. The spans are setting at 10V for both of temperature modules. (The polarity is fixed at bipolar).</div><div><div>※ The analog input address for temperature measurement of FB-2AH4 is R3842.</div><div>※ The analog input address for temperature measurement of FB-2AT4 is R3845.</div></div><div><div><div><div>M0</div><div></div></div><div></div><div><div>● When M0=1, to measure the temperature of 1<sup>st</sup> (Sm=0) ~ 4<sup>th</sup> point of PT-100 RTD inputs and store the engineering values of measurement into R0 ~ R3; also, store the primitive values into R3968~R3971.</div><div>● When there is line broken in PT-100 RTD, M1 will be ON and the line broken value of this point will be displayed.</div></div><div><div>72.TP4</div><div><div>Tp : 2</div><div>Pl : 2</div><div>Sm : 0</div><div>Ym: Y 12</div><div>AR: R 3842</div><div>TR: R 0</div><div>WR: R 100</div></div><div><div>ERR—</div><div>ALM—( )</div><div>M1</div></div></div></div><div><div><div>M0</div><div></div></div><div></div><div><div>● When M0=1, to measure the temperature of 5<sup>th</sup> (Sm=4) ~ 8<sup>th</sup> point of PT-1000 RTD inputs and store the engineering values of measurement into R4~R7; also, store the primitive values into R3972~R3975</div><div>● When there is line broken in PT-1000 RTD, M2 will be ON and the line broken value of this point will be displayed.</div></div><div><div>72.TP4</div><div><div>Tp : 3</div><div>Pl : 2</div><div>Sm : 4</div><div>Ym: Y 20</div><div>AR: R 3845</div><div>TR: R 4</div><div>WR: R 108</div></div><div><div>ERR—</div><div>ALM—( )</div><div>M2</div></div></div></div><div><div><div>M0</div><div></div></div><div></div><div><div>● When M0=1, M1000 ~ M1007 tells the status of line broken of corresponding sensor.</div></div><div><div>43.NBMV</div><div><div>S : R 100</div><div>Ns : 0</div><div>D : WM1000</div><div>Nd : 0</div></div><div>EN</div></div><div><div>43.NBMV</div><div><div>S : R 108</div><div>Ns : 0</div><div>D : WM1000</div><div>Nd : 1</div></div><div>EN</div></div></div></div></div>		

FUN 72 TP4	Convenient instruction proper to FB-2AJ(K)4/FB-2AH(T)4 temperature module	FUN 72 TP4
<div data-bbox="188 322 421 353" style="border: 1px solid black; padding: 2px;">Program example 3</div> <div data-bbox="448 322 1225 383" style="margin-left: 20px;">           The main unit is FBx-40MC(A), and 4 modules of FB-2AK4 are attached.            The setting of span and polarity are all at 0~5V.         </div>		
<div data-bbox="175 403 1117 537"> <p>● The status of M800~M831 are controlled by the MMI or external inputs to tell the status of sensor's installation; if it has the sensor, perform line broken detection, and not to perform the check if it hasn't. (It needs the retentive function, so M800~M1399 are the better choice).</p> </div>	<div data-bbox="1117 383 1348 488">           08D.MOV            S : WM 800            D : R 4010         </div>	<div data-bbox="1157 488 1348 723">           72.TP4            Tp : 0            Pl : 1            Sm : 0            Ym : Y 16            AR : R 3842            TR : R 0            WR : R 100         </div> <div data-bbox="1348 521 1428 544">ERR—</div> <div data-bbox="1348 589 1428 611">ALM—</div>
<div data-bbox="175 750 1117 884"> <p>● When M0=1, to measure the temperature of 1<sup>st</sup> (Sm=0) ~ 4<sup>th</sup> point of K-type thermocouple inputs and store the engineering values of measurement into R0~R3; also, store the primitive values into R3968~R3971.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p> </div>	<div data-bbox="1117 734 1348 969">           72.TP4            Tp : 0            Pl : 1            Sm : 0            Ym : Y 16            AR : R 3842            TR : R 0            WR : R 100         </div>	<div data-bbox="1157 969 1348 1205">           72.TP4            Tp : 0            Pl : 1            Sm : 4            Ym : Y 24            AR : R 3845            TR : R 4            WR : R 108         </div> <div data-bbox="1348 1003 1428 1025">ERR—</div> <div data-bbox="1348 1070 1428 1093">ALM—</div>
<div data-bbox="175 990 1117 1124"> <p>● When M0=1, to measure the temperature of 5<sup>th</sup> (Sm=4) ~ 8<sup>th</sup> point of K-type thermocouple inputs and store the engineering values of measurement into R4~R7; also, store the primitive values into R3972~R3975.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p> </div>	<div data-bbox="1117 974 1348 1209">           72.TP4            Tp : 0            Pl : 1            Sm : 4            Ym : Y 24            AR : R 3845            TR : R 4            WR : R 108         </div>	<div data-bbox="1157 1209 1348 1444">           72.TP4            Tp : 0            Pl : 1            Sm : 8            Ym : Y 32            AR : R 3848            TR : R 8            WR : R 116         </div> <div data-bbox="1348 1232 1428 1254">ERR—</div> <div data-bbox="1348 1299 1428 1321">ALM—</div>
<div data-bbox="175 1229 1117 1364"> <p>● When M0=1, to measure the temperature of 9<sup>th</sup> (Sm=8) ~ 12<sup>th</sup> point of K-type thermocouple inputs and store the engineering values of measurement into R8~R11; also, store the primitive values into R3976~R3979.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p> </div>	<div data-bbox="1117 1214 1348 1449">           72.TP4            Tp : 0            Pl : 1            Sm : 8            Ym : Y 32            AR : R 3848            TR : R 8            WR : R 116         </div>	<div data-bbox="1157 1449 1348 1684">           72.TP4            Tp : 0            Pl : 1            Sm : 12            Ym : Y 40            AR : R 3851            TR : R 12            WR : R 124         </div> <div data-bbox="1348 1471 1428 1494">ERR—</div> <div data-bbox="1348 1538 1428 1561">ALM—</div>
<div data-bbox="175 1469 904 1581"> <p>● When M0=1, M1000~M1015 tells the line broken status of corresponding sensor.</p> </div>	<div data-bbox="1117 1453 1348 1599">           43.NBMV            S : R 100            Ns : 0            D : WM 1000            Nd : 0         </div> <div data-bbox="1117 1599 1348 1744">           43.NBMV            S : R 108            Ns : 0            D : WM 1000            Nd : 1         </div> <div data-bbox="1117 1744 1348 1890">           43.NBMV            S : R 116            Ns : 0            D : WM 1000            Nd : 2         </div> <div data-bbox="1117 1890 1348 2036">           43.NBMV            S : R 124            Ns : 0            D : WM 1000            Nd : 3         </div>	

FUN 72 TP4	Convenient instruction proper to FB-2AJ(K)4/FB-2AH(T)4 temperature module	FUN 72 TP4
<b>Program example 4</b> The main unit is FBx-40MC(A), and 4 modules of FB-2AH4 are attached. The spans are all setting at 5V (FB-2AH4 supports bipolar only).		
<p>● The status of M800~M831 are controlled by the MMI or external inputs to tell the status of sensor's installation; if it has the sensor, perform line broken detection, and not to perform the check if it hasn't.  (It needs the retentive function, so M800~M1399 are the better choice).</p> <p>M0</p> <p>● When M0=1, to measure the temperature of 1<sup>st</sup> (Sm=0) ~4<sup>th</sup> point of PT-100 RTD inputs and store the engineering values of measurement into R0~R3; also, store the primitive values into R3968~R3971.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p>	<p>EN</p> <p>08D.MOV</p> <p>S : WM 800</p> <p>D : R 4010</p>	
<p>M0</p> <p>● When M0=1, to measure the temperature of 5<sup>th</sup> (Sm=4) ~8<sup>th</sup> point of PT-100 RTD inputs and store the engineering values of measurement into R4~R7; also, store the primitive values into R3972~R3975.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p>	<p>EN</p> <p>72.TP4</p> <p>Tp : 2</p> <p>Pl : 3</p> <p>Sm : 0</p> <p>Ym: Y 16</p> <p>AR: R 3842</p> <p>TR: R 0</p> <p>WR: R 100</p>	<p>ERR—</p> <p>ALM—</p>
<p>M0</p> <p>● When M0=1, to measure the temperature of 9<sup>th</sup> (Sm=8) ~12<sup>th</sup> point of PT-100 RTD inputs and store the engineering values of measurement into R8~R11; also, store the primitive values into R3976~R3979.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p>	<p>EN</p> <p>72.TP4</p> <p>Tp : 2</p> <p>Pl : 3</p> <p>Sm : 4</p> <p>Ym: Y 24</p> <p>AR: R 3845</p> <p>TR: R 4</p> <p>WR: R 108</p>	<p>ERR—</p> <p>ALM—</p>
<p>M0</p> <p>● When M0=1, to measure the temperature of 13<sup>th</sup> (sm=12) ~16<sup>th</sup> point of PT-100 RTD inputs and store the engineering values of measurement into R12~R15; also, store the primitive values into R3980~R3983.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p>	<p>EN</p> <p>72.TP4</p> <p>Tp : 2</p> <p>Pl : 3</p> <p>Sm : 8</p> <p>Ym: Y 32</p> <p>AR: R 3848</p> <p>TR: R 8</p> <p>WR: R 116</p>	<p>ERR—</p> <p>ALM—</p>
<p>M0</p> <p>● When M0=1, to measure the temperature of 17<sup>th</sup> (sm=16) ~20<sup>th</sup> point of PT-100 RTD inputs and store the engineering values of measurement into R16~R19; also, store the primitive values into R3984~R3987.</p> <p>● When there is line broken of the sensor, the value of line broken will be displayed.</p>	<p>EN</p> <p>72.TP4</p> <p>Tp : 2</p> <p>Pl : 3</p> <p>Sm : 12</p> <p>Ym: Y 40</p> <p>AR: R 3851</p> <p>TR: R 12</p> <p>WR: R 124</p>	<p>ERR—</p> <p>ALM—</p>
<p>M0</p> <p>● When M0=1, M1000~M1015 tells the line broken status of corresponding sensor.</p>	<p>EN</p> <p>43.NBMV</p> <p>S : R 100</p> <p>Ns : 0</p> <p>D : WM 1000</p> <p>Nd : 0</p>	
	<p>EN</p> <p>43.NBMV</p> <p>S : R 108</p> <p>Ns : 0</p> <p>D : WM 1000</p> <p>Nd : 1</p>	
	<p>EN</p> <p>43.NBMV</p> <p>S : R 116</p> <p>Ns : 0</p> <p>D : WM 1000</p> <p>Nd : 2</p>	
	<p>EN</p> <p>43.NBMV</p> <p>S : R 124</p> <p>Ns : 0</p> <p>D : WM 1000</p> <p>Nd : 3</p>	