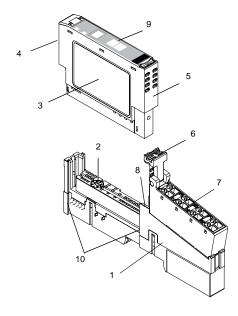


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Installation Instructions HM1734-WM-2HR **POINT I/O Strain Gage Input Module**

	Description		Description
1	Mounting Base ¹	6	RTB Removal Handle
2	Mechanical Keying (orange)	7	Removable Terminal Block (RTB) ¹
3	Module Wiring Diagram	8	DIN Rail Locking Screw (orange)
4	Module Locking Mechanism	9	Slide-in Writable Label
5	Insertable I/O Module	10	Interlocking Side Pieces

Wiring Base Assembly consists of item 1) mounting base, 1734-MB and item 7) removable terminal block, 1734-RT or -RTS.

POINT I/O is a trademark of Rockwell Automation DeviceNet is a trademark of ODVA, Inc.

This Series C product can be used with DeviceNet and PROFIBUS adapters. It can be used with Ethernet/IP and Ethernet adapters using RSLogix 5000, version 11 (or higher) software.

Important User Information

Because of the variety of uses for the products described in this publication, those responsible for the application and use of these products must satisfy themselves that all necessary steps have been taken to assure that each application and use meets all performance and safety requirements, including any applicable laws, regulations, codes and standards. In no event will Allen-Bradley be responsible or liable for indirect or consequential damage resulting from the use or application of these products.

Any illustrations, charts, sample programs, and layout examples shown in this publication are intended solely for purposes of example. Since there are many variables and requirements associated with any particular installation, Allen-Bradley does not assume responsibility or liability (to include intellectual property liability) for actual use based upon the examples shown in this publication.

Allen-Bradley publication SGI-1.1, Safety Guidelines for the Application, Installation and Maintenance of Solid-State Control (available from your local Allen-Bradley office), describes some important differences between solid-state equipment and electromechanical devices that should be taken into consideration when applying products such as those described in this publication.

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Throughout this publication, notes may be used to make you aware of safety considerations. The following annotations and their accompanying statements help you to identify a potential hazard, avoid a potential hazard, and recognize the consequences of a potential hazard.

WARNING



Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.

ATTENTION



Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss.

IMPORTANT

Identifies information that is critical for successful application and understanding of the product.

ATTENTION

Environment and Enclosure



This equipment is intended for use in a Pollution Degree 2 industrial environment, in overvoltage Category II applications (as defined in IEC publication 60664-1), at altitudes up to 2000 meters without derating.

This equipment is considered Group 1, Class A industrial equipment according to IEC/CISPR Publication 11. Without appropriate precautions, there may be potential difficulties ensuring electromagnetic compatibility in other environments due to conducted as well as radiated disturbance.

This equipment is supplied as "open type" equipment. It must be mounted within an enclosure that is suitably designed for those specific environmental conditions that will be present and appropriately designed to prevent personal injury resulting from accessibility to live parts. The interior of the enclosure must be accessible only by the use of a tool. Subsequent sections of this publication may contain additional information regarding specific enclosure type ratings that are required to comply with certain product safety certifications.

See NEMA Standards publication 250 and IEC publication 60529, as applicable, for explanations of the degrees of protection provided by different types of enclosure. Also, see the appropriate sections in this publication, as well as the Allen-Bradley publication 1770-4.1 ("Industrial Automation Wiring and Grounding Guidelines"), for additional installation requirements pertaining to this equipment.

ATTENTION



POINT I/O is grounded through the DIN rail to chassis ground. Use zinc plated, yellow chromated steel DIN rail to assure proper grounding. Using other DIN rail materials (e.g. aluminum, plastic, etc.) which can corrode, oxidize or are poor conductors can result in improper or intermittent platform grounding.

WARNING



EXPLOSION HAZARD

- Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous.
- ☐ Do not disconnect connections to this equipment unless power has been removed or the area is known to be nonhazardous. Secure any external connections that mate to this equipment by using screws, sliding latches, threaded connectors, or other means provided with this product.
- ☐ Substitution of components may impair suitability for Class I, Division 2.
- ☐ If this product contains batteries, they must only be changed in an area known to be nonhazardous.

ATTENTION



Preventing Electrostatic Discharge

This equipment is sensitive to electrostatic discharge, which can cause internal damage and affect normal operation. Follow these guidelines when you handle this equipment:

- ☐ Touch a grounded object to discharge potential static.
- ☐ Wear an approved grounding wriststrap.
- ☐ Do not touch connectors or pins on component boards.
- ☐ Do not touch circuit components inside the equipment.
- $\hfill \square$ If available, use a static-safe work station.
- ☐ When not in use, store the equipment in appropriate static-safe packaging.

Installing the Mounting Base

To install the mounting base on the DIN rail, proceed as follows.

- Position the mounting base vertically above the installed units (adapter, power supply or existing module.
- Slide the mounting base down allowing the interlocking side pieces to engage the adjacent module or adapter.
- Press firmly to seat the mounting base on the DIN rail. The mounting base will snap into place.
- 4. To remove the mounting base from the DIN rail, remove the module, and use a small bladed screwdriver to rotate the base locking screw to a vertical position. This releases the locking mechanism. Then lift straight up to remove.

Installing the I/O Module

The module can be installed before, or after base installation. Make sure that the mounting base is correctly keyed before installing the module into the mounting base. In addition, make sure the mounting base locking screw is positioned horizontal referenced to the base.





When you insert or remove the module while backplane power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding.

- 1. Using a bladed screwdriver, rotate the keyswitch (2) on the mountingbase clockwise until the number required for the type of module being installed aligns with the notch in the base.
- Make certain the DIN rail locking screw is in the horizontal position. (You cannot insert the module if the locking mechanism is unlocked.)

3. Insert the module straight down into the mounting base and press to secure. The module will lock into place.

Installing the Removable Terminal Block (RTB)

A removable terminal block is supplied with your wiring base assembly. To remove, pull up on the RTB handle. This allows the mounting base to be removed and replaced as necessary without removing any of the wiring. To reinsert the removable terminal block, proceed as follows.

- 1. Insert the end opposite the handle into the base unit. This end has a curved section that engages with the wiring base.
- Rotate the terminal block into the wiring base until it locks itself in place.
- If an I/O module is installed, snap the RTB handle into place on the module.

WARNING



When you connect or disconnect the Removable Terminal Block (RTB) with field side power applied, an electrical arc can occur. This could cause an explosion in hazardous location installations.

Be sure that power is removed or the area is nonhazardous before proceeding.

Removing a Mounting Base

To remove a mounting base, you must remove any installed module, and the module installed in the base to the right. Remove the removable terminal block (if wired).

- 1. Unlatch the RTB handle on the I/O module.
- 2. Pull on the RTB handle to remove the removable terminal block.

WARNING

When you connect or disconnect the Removable Terminal Block (RTB) with field side power applied, an electrical arc can occur. This could cause an explosion in hazardous location installations.

Be sure that power is removed or the area is nonhazardous before proceeding.

- **3.** Press on the module lock on the top of the module.
- 4. Pull on the I/O module to remove from the base.

WARNING

When you insert or remove the module while backplane power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding.

- 5. Repeat steps 1, 2, 3 and 4 for the module to the right.
- **6.** Use a small bladed screwdriver to rotate the orange base locking screw to a vertical position. This releases the locking mechanism.
- 7. Then lift straight up to remove.

COMMUNICATION WITH THE MODULE

I/O messages are sent to (consumed) and received from (produced) the POINT I/O modules. These messages are mapped into the processor's memory. This POINT I/O input module produces 2 bytes of input data (scanner Rx) and 2 bytes of output data (scanner Tx).

Data Map for HM1734-WM on DeviceNet

INPUT DATA TAGS

Data Tags Local:x.l	Data Type	Bit	Description
.Data[n]	DINT	-	Weigh Value
	Bit	31	Sign Bit Indicator in Run Mode

n: Beginning input index of the HM-1734WM in DeviceNet mapping.

OUTPUT TAGS

Data Tags	Data	Bit	Description
Local:x.O	Type		
.Data[m]	Bit	0	Set Cal Mode Bit
	Bit	1	Set Run Mode Bit
	Bit	2	CH1 Clear Tare Bit (momentary)
	Bit	3	CH1 SetTare Bit (momentary)
	Bit	4	CH1 Set AD Trim Bit (Factory use only)
	Bit	5	Read AD rim Bit (Factory use only)
	Bit	6	CH2 Clear Tare Bit (momentary)
	Bit	7	CH2 SetTare Bit (momentary)
	Bit	8	CH2 Set AD Trim Bit (Factory use only)
	Bit	9	Set CH1Only Bit
	Bit	10	Set_To_4msec (Frequency)
	Bit	11	Set_To_8msec (Frequency)
	Bit	12	Set_To_16msec (Frequency)
	Bit	13	Set_To_32msec (Frequency)
	Bit	14	Set_To_40msec (Frequency)
	Bit	15	Set_To_48msec (Frequency)
	Bit	16	Vibration Filter Bit
	Bit	17	Set Motion Stabilization Filter (MSF) range from -0.002% to +0.001% of full scale
	Bit	18	Set Motion Stabilization Filter (MSF) range from -0.004% to +0.002% of full scale
	Bit	19	Set Motion Stabilization Filter (MSF) range from -0.008% to +0.004% of full scale
	Bit	20	Set Motion Stabilization Filter (MSF) range from -0.010% to +0.005% of full scale
	Bit	21	Set Zero Dead Band to 0.025% of full scale
	Bit	22	Set Zero Dead Band to 0.05% of full scale
	Bit	23	Set Zero Dead Band to 0.075% of full scale
	Bit	24	Set Average Sample_bit0
	Bit	25	Set Average Sample_bit1
	Bit	26	Set Average Sample_bit2
	Bit	27	Set Average Sample_bit3
	Bit	28	Set Average Sample_bit4
	Bit	29	Set Average Sample_bit5
	Bit	30	Set Average Sample_bit6
	Bit	31	Set Average Sample_bit7

m: Beginning Output index of the HM-1734WM in DeviceNet mapping.

Data Map for HM1734-WM on DeviceNet

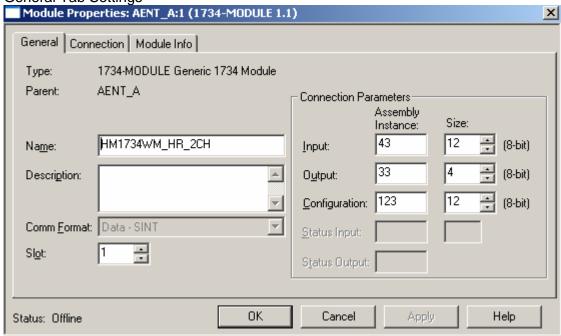
Required Controller Tags

Roquirea controller rage			
Data Tags Name	Data		
	Type		
HM1734WM1_a	DINT[9]		
HM1734WM1_a[0]	DINT	CH1 Set Scale Value	
HM1734WM1_a[1]	DINT	CH1 Set AutoCal Reference Weigh Actual Value	
HM1734WM1_a[2]	DINT	CH1 Get Weigh Value	
HM1734WM1_a[3]	DINT	CH2 Set Scale Value	
HM1734WM1_a[4]	DINT	CH2 Set AutoCal Reference Weigh Actual Value	
HM1734WM1_a[5]	DINT	CH2 Get Weigh Value	
HM1734WM1_a[6]	DINT	CH1 Set AutoCal Enable Bit	
HM1734WM1_a[7]	DINT	CH2 Set AutoCal Enable Bit	
HM1734WM1_a[8]	DINT	Set Average Sample Count	
HM1734WM1_b	REAL[2]		
HM1734WM1_b[0]	REAL	CH1 Set MV_V	
HM1734WM1_b[1]	REAL	CH2 Set MV_V	

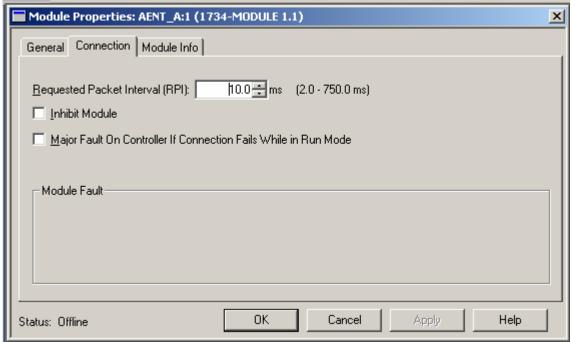
SETTING UP HM1734WM MODULE USING 1734-AENT/A on Ethernet/IP

HM1734WM MODULE PROPERTIES

General Tab Settings



Connection Tab Settings



Data Map for HM1734-WM on Ethernet/IP

INPUT DATA TAGS

Data Tags	Data	Bit	Description
name:x.l	Type		·
.Data[4]	SINT	-	CH1 Raw Weigh Value LSByte
.Data[5]	SINT	-	CH1 Raw Weigh Value Middle Byte
.Data[6]	SINT	-	CH1 Raw Weigh Value Middle Byte
.Data[7]	SINT	-	CH1 Raw Weigh Value MSByte
.Data[8]	SINT	-	CH2 Raw Weigh Value LSByte
.Data[9]	SINT	-	CH2 Raw Weigh Value Middle Byte
.Data[10]	SINT		CH2 Raw Weigh Value Middle Byte
.Data[11]	SINT		CH2 Raw Weigh Value MSByte
	Bit	7	Sign Bit Indicator in Run Mode – Bit 7 of MSByte

x: Point I/O slot position of HM-1734WM.

OUTPUT TAGS

[n] = slot number for module			
AENT_A:[n]:O.Data	SINT[4]	Description	
AENT_A:1:O.Data[0]	SINT		
AENT_A:1:O.Data[0].0	bit	Set Cal Mode Bit	
AENT_A:1:O.Data[0].1	bit	Set Run Mode Bit	
AENT_A:1:O.Data[0].2	bit	Ch1 Clear Tare Bit (momentary)	
AENT_A:1:O.Data[0].3	bit	Ch1 Tare Bit (momentary)	
AENT_A:1:O.Data[0].4	bit	Ch1 Set AD Trim Bit (Factory Use Only)	
AENT_A:1:O.Data[0].5	bit	Read AD Trim Bit (Factory Use Only)	
AENT_A:1:O.Data[0].6	bit	Ch2 Clear Tare Bit (momentary)	
AENT_A:1:O.Data[0].7	bit	Ch2 Tare Bit (momentary)	
AENT_A:1:O.Data[1]	SINT		
AENT_A:1:O.Data[1].0	bit	Ch2 Set AD Trim Bit (Factory Use Only)	
AENT_A:1:O.Data[1].1	bit	Set ch1_only	
AENT_A:1:O.Data[1].2	bit	Set_to_4ms (Frequency)	
AENT_A:1:O.Data[1].3	bit	Set_to_8ms (Frequency)	
AENT_A:1:O.Data[1].4	bit	Set_to_16ms (Frequency)	
AENT_A:1:O.Data[1].5	bit	Set_to_32ms (Frequency)	
AENT_A:1:O.Data[1].6	bit	Set_to_40ms (Frequency)	
AENT_A:1:O.Data[1].7	bit	Set_to_48ms (Frequency)	
AENT_A:1:O.Data[2]	SINT		
AENT_A:1:O.Data[2].0	bit	Vibration Filter Bit	
AENT A.4.0 Dete[0] 4	h.:4	Set Motion Stabilization Filter (MSF) range from -0.002% to +0.001% of full	
AENT_A:1:O.Data[2].1	bit	scale Set Motion Stabilization Filter (MSF) range from -0.004% to +0.002% of full	
AENT_A:1:O.Data[2].2	bit	scale	
		Set Motion Stabilization Filter (MSF) range from -0.008% to +0.004% of full	
AENT_A:1:O.Data[2].3	bit	Scale	
AENT_A:1:O.Data[2].4	bit	Set Motion Stabilization Filter (MSF) range from -0.010% to +0.005% of full scale	
AENT_A:1:O.Data[2].5	bit	Set Zero Dead Band to 0.025% of full scale	
AENT_A:1:O.Data[2].6	bit	Set Zero Dead Band to 0.05% of full scale	
AENT_A:1:O.Data[2].7	bit	Set Zero Dead Band to 0.075% of full scale	
AENT_A:1:O.Data[3]	SINT		
AENT_A:1:O.Data[3].0	bit	Average Sample_bit0	
AENT_A:1:O.Data[3].1	bit	Average Sample_bit1	
AENT_A:1:O.Data[3].2	bit	Average Sample_bit2	
AENT_A:1:O.Data[3].3	bit	Average Sample_bit3	
AENT_A:1:O.Data[3].4	bit	Average Sample_bit4	
AENT_A:1:O.Data[3].5	bit	Average Sample_bit5	
AENT_A:1:O.Data[3].6	bit	Average Sample_bit6	
AENT_A:1:O.Data[3].7	bit	Average Sample_bit7	

Data Map for HM1734-WM on Ethernet/IP

Required Controller Tags

required control ruge			
Data Tags Name	Data		
	Type		
HM1734WM1a	DINT[9]		
HM1734WM1_a[0]	DINT	CH1 Set Scale Value	
HM1734WM1_a[1]	DINT	CH1 Set AutoCal Reference Weigh Actual Value	
HM1734WM1_a[2]	DINT	CH1 Get Weigh Value	
HM1734WM1_a[3]	DINT	CH2 Set Scale Value	
HM1734WM1_a[4]	DINT	CH2 Set AutoCal Reference Weigh Actual Value	
HM1734WM1_a[5]	DINT	CH2 Get Weigh Value	
HM1734WM1_a[6]	DINT	CH1 Set AutoCal Enable Bit	
HM1734WM1_a[7]	DINT	CH2 Set AutoCal Enable Bit	
HM1734WM1_a[8]	DINT	Set Average Sample Count	
HM1734WM1b	REAL[2]		
HM1734WM1_b[0]	REAL	CH1 Set MV_V	
HM1734WM1_b[1]	REAL	CH2 Set MV_V	

OUTPUT TAG DESCRIPTIONS

CALMODE

DeviceNet Bit 0

Ethernet/IP (Data[0]): Bit 0

Used for initial installation. All math is disabled, weigh value is not scaled, leaving raw A/D value. Value = 2,090,000 to 2,100,000 at normal zero (at rest state).

RUNMODE

DeviceNet Bit 1

Ethernet/IP (Data[0]): Bit 1

A/D values scaled with math in ladder logic Factory cal setting 100,000 counts = 2MV/V

CLEAR TARE CH1/CH2 Bit

DeviceNet Bit 2 (Channel 1)
DeviceNet Bit 6 (Channel 2)

Ethernet/IP (Data[0]): Bit 2 (Channel 1)

Ethernet/IP (Data[0]): Bit 6 (Channel 2)
Clears internal tare value for "zero state".

Useful when troubleshooting load cell wiring or other failures.

TARE CH1/CH2

DeviceNet Bit 3 (Channel 1)
DeviceNet Bit 7 (Channel 2)

Ethernet/IP (Data[0]): Bit 3 (Channel 1) Ethernet/IP (Data[0]): Bit 7 (Channel 2)

Sets A/D value to zero.

SET ADTRIM CH1/CH2 Bit

DeviceNet Bit 4 (Channel 1) DeviceNet Bit 8 (Channel 2)

Ethernet/IP (Data[0]): Bit 4 (Channel 1) Ethernet/IP (Data[1]): Bit 0 (Channel 2)

(HELM Factory setting only).

READ ADTRIM BIT

DeviceNet Bit 5

Ethernet/IP (Data[0]): Bit 5

(HELM Factory setting only).

SET-TO-CH1 Bit

DeviceNet Bit 9

Ethernet/IP (Data[1]): Bit 1

Used for one channel operation where a faster sample speed is required.

1 = 2msec (max speed)

0 = 4msec (max speed-default)

FREQUENCY BITS

DeviceNet Bits 10 through 15

Ethernet/IP (Data[1]): Bits 2 through 7

Used to set sample rate and filter options.

With no bits set: Sample = 100msec.

Set one bit only.

Note: For one channel operation, sample rate is at bit selected.

For two channel operation, sample rate is 2 times bit time selected.

OUTPUT TAG DESCRIPTIONS

VIBRATION FILTER

DeviceNet Bit 16

Ethernet/IP (Data[2]): Bit 0

Filter ON/OFF Bit

0 = Normal Average

1 = Rolling Average

MSF BITS – (Motion Stabilization Filter)

DeviceNet Bits 17,18,19,20

Ethernet/IP (Data[2]): Bits 1,2,3,4

Used for applications with constant or static type loads to keep display value stable.

 $MSF1_2$ (1 count up -2 counts down).

MSF2 4

MSF4_8

MSF5 10

Set one bit only.

ZERO-DEAD-BAND Bits

DeviceNet Bits 21,22,23

Ethernet/IP (Data[2]): Bits 5,6,7

Useful for Auto-Tare functions with production runs.

Set only one bit.

ZEROBAND_025 = .025% full scale

ZEROBAND_05 = .05% full scale

ZEROBAND 075 = .075% full scale

Auto tare occurs when load cell weight is at bit level or lower.

SET AVERAGE SAMPLE Bits

DeviceNet Bits 24 through 31

Ethernet/IP (Data[3]): Bits 0 through 7

See Required Controller Tags:

HM1734WM1_a[8]

REQUIRED CONTROLLER TAGS

CH1/CH2 SCALE SET

HM1734WM1_a[0]

HM1734WM1 a[3]

Full scale setting for CH1, CH2

Value is determined by capacity of load cell and by resolution required.

Example: 10KG = 10,000

SET AUTOCAL REFERENCE WEIGH VALUE CH1, CH2

HM1734WM1_a[1]

HM1734WM1_a[4]

Enter desired value to read based on known weight from calibrate procedure.

GET WEIGH VALUE CH1, CH2

HM1734WM1_a[2]

HM1734WM1 a[5]

Reports measured weigh value in RUN mode.

Reports raw A/D count value in CAL mode.

SET AUTOCAL CH1, CH2 Enable Bit

HM1734WM1_a[6]

HM1734WM1_a[7]

With ladder logic provided, an auto-cal method for calibrating is available.

Set to (1) to initiate Auto-Cal for the channel.

Ladder logic will clear the bit.

SET AVERAGE SAMPLE COUNT

HM1734WM1 a[8]

Set number of samples to take for average type filter.

Two Channel operation; Max value (50).

One Channel operation; Max value (100).

SET mV/V CH1, CH2

HM1734WM1_b[0]

HM1734WM1_b[1]

CH1/CH2 MV_V Settings

Enter 2.0MV/V for nominal load cell.

Actual value is from load cell specification.

Troubleshooting with the Indicators

Module Status:

Off	No power applied to device.		
Green	Device operating normally.		
Flashing Green	Device needs commissioning due to configuration missing, incomplete or incorrect.		
Flashing Red	Recoverable fault.		
Red	Unrecoverable fault. May require device replacement.		
Flashing Red/Green	Device is in self-test.		

Network Status:

Off	Device is not on-line. Device has not completed dup_MAC_id test. Device not powered. Check module status indicator.		
Green	Device on-line and has connections to the established state.		
Flashing Green	Device is on-line but has no connections in the established state.		
Flashing Red	One or more I/O connections is in timed-out state.		
Red	Critical link failure – failed communications device.		
Network access error and is in communication faulted state. Device and accepted an Identity Communication Faulted Request – long pressage.			

Setup Procedure

A complete listing of a sample ladder logic program is included at the back of this manual.

Examples shown here are for reference.



All values are 0 (default) on initial start-up.
This means that all alarms are disabled.
You must make the following adjustments for proper operation:

- Balance sensor input(s)
- Set Calibration numbers

Follow Steps 1 and 2 for each channel.

Step 1. Balance Sensor Input

- 1. Set to CAL mode.
- 2. Set Clear Tare bit momentarily.
- 3. Check Raw A/D value. (Range 2,090,000 to 2,100,000)

```
CH1 = Controller Tag HM1734WM1-a[2]
CH2 = Controller Tag HM1734WM1-a[5]
```

Set Zero Tare bit momentarily.

Step 2. Set Calibration Numbers

- 1. Set Scale to capacity of load cell.
- Set mV/V to load cell specification.

Example:

100 ton load cell, 2.025 mV/V For scale set, enter 100

For mV/V set, enter 2.025

3. Set to RUN mode.

Specifications - HM1734-WM Strain Gage Input Module

Module Location 1734-TOP (screw terminal) or 1734-TOPS (spring loaded terminal)

Type of input Strain Gage (350 ohm, 700 ohm)

Gage Excitation Voltage 5 Volt

Input Impedance 5.11 meg. ohm

Display Resolution Up to .0025% of full scale Module Accuracy Dependent on Load Cell Specification

Module Update Time Dependent on Load Cell Specification
Software selectable from 2ms to 100ms

Number of Channels 2 (isolated)

A/D Conversion Method Successive Approximation - 24 bit

Normal Mode Rejection:

(between +/- input) 116DB CMRR Amplifier Bandwidth 200 kHz

Calibration Software Selectable

Isolation: 500 VDC continuous between inputs and chassis ground, and between input

and backplane

LED indicators 2 LED's for Power and Alarm

Recommended Cable Strain Gage Cable (Helm part number 6117)

Operating Temperatures 0°C to 60°C (32°F to 140°F)

Emissions CISPR 11

Group 1, Class A

Pointbus Current 5V @ 72ma External Power 24V @ 19.5ma

Dimensions 2.21H x 0.47W x 2.97L (Millimeters 56H x 12W x 75.5L)

Register Module in RSNetWorx

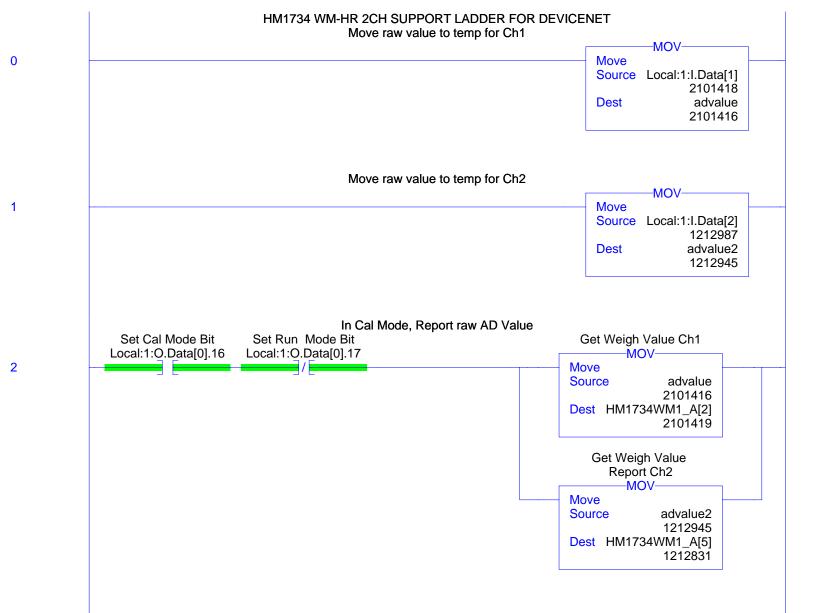
In RSNetworx, double click module icon. Not Registered, select NO Vendor, Device and Product fields should now be correct. In RSNetWorx, double click module icon. Not Registered, select YES.

EDS Wizard, next, register and EDS file, next, register a single file, browse, select file, open, next. EDS File Install Results, examine results, next. Check icon graphic image and color.

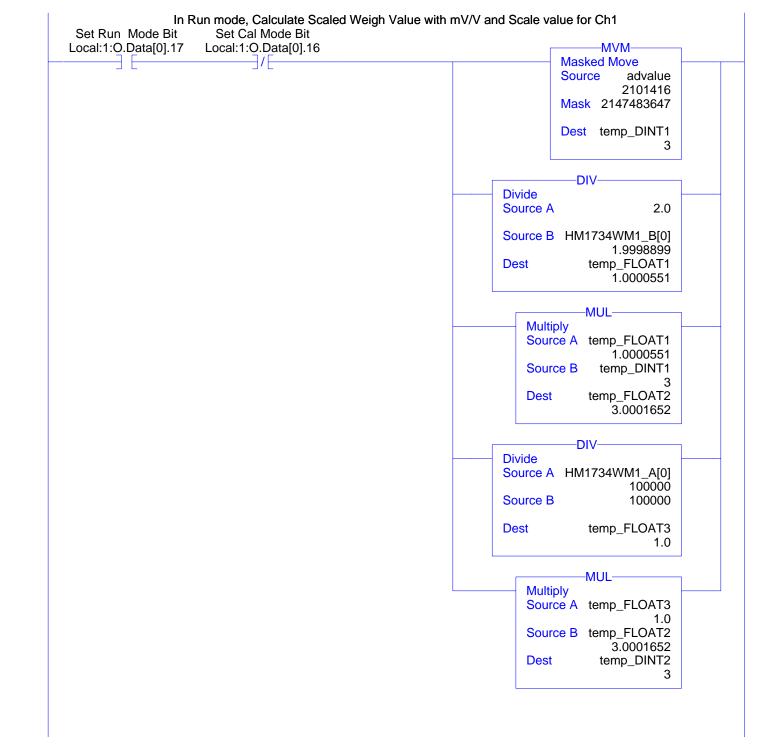
Vendor, Device and Product fields should now be correct.

Next Select device to register, next, complete, finish.

Total number of rungs in routine: 21



Total number of rungs in routine: 21 ... SPIO\HM1734WM-2-HR\HM1734WM_2ch_HR_DeviceNet_R5.ACD

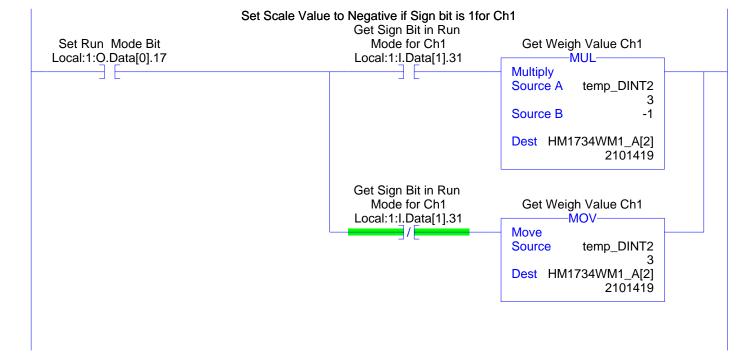


Page 3 11/23/2009 3:33:47 PM

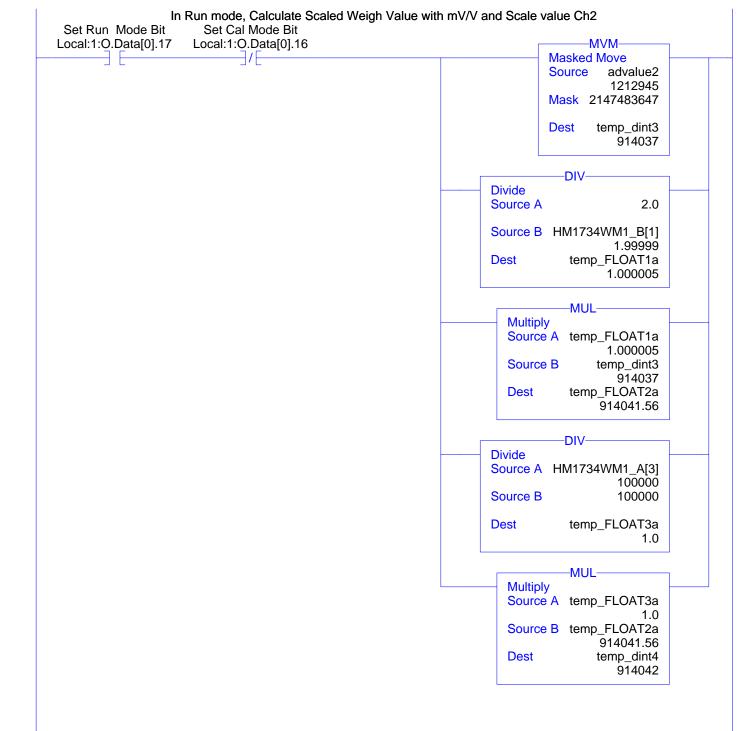
HM_1734WM_HR_DEVICENET:MainTask:HM1734WM_HR1

... SPIO\HM1734WM-2-HR\HM1734WM_2ch_HR_DeviceNet_R5.ACD

Total number of rungs in routine: 21

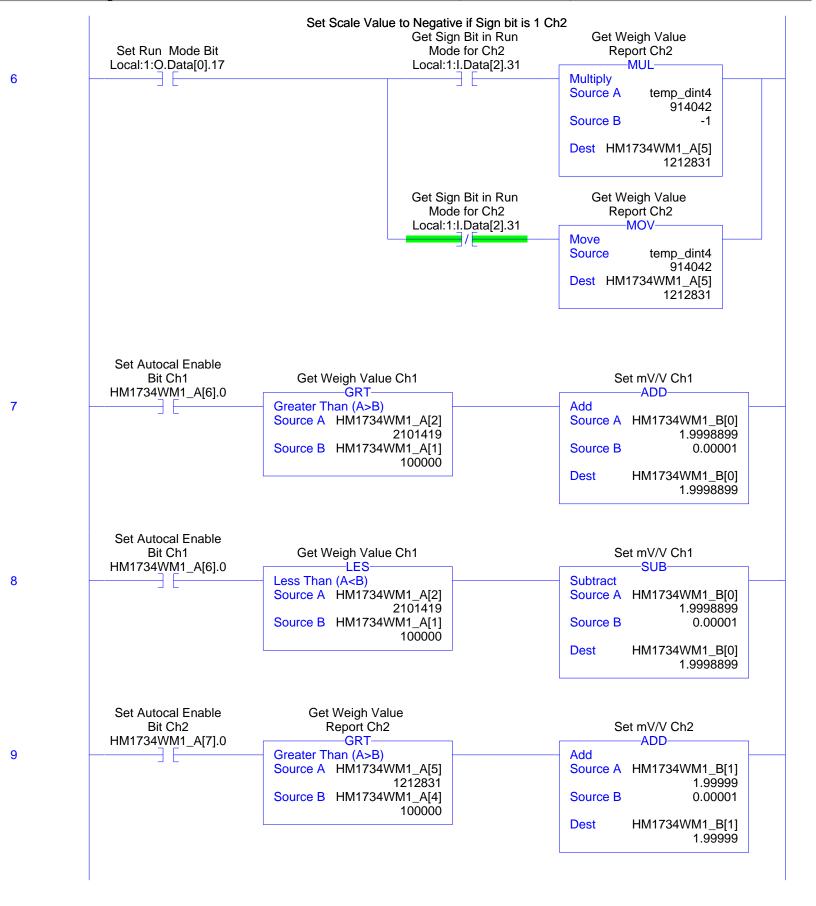


Total number of rungs in routine: 21



Total number of rungs in routine: 21

... SPIO\HM1734WM-2-HR\HM1734WM_2ch_HR_DeviceNet_R5.ACD



11/23/2009 3:33:47 PM ... SPIO\HM1734WM-2-HR\HM1734WM 2ch HR DeviceNet R5.ACD

Set Autocal Enable Get Weigh Value Bit Ch2 Report Ch2 Set mV/V Ch2 HM1734WM1_A[7].0 LES--SUB-10 Less Than (A<B) Subtract Source A HM1734WM1_A[5] Source A HM1734WM1_B[1] 1212831 1.99999 Source B HM1734WM1_A[4] Source B 0.00001 100000 HM1734WM1_B[1] Dest 1.99999 Set Autocal Enable Get Weigh Value Ch1 Bit Ch1 -EQU-HM1734WM1_A[6].0 11 Equal -(U)-Source A HM1734WM1_A[2] 2101419 Source B HM1734WM1_A[1] 100000 Get Weigh Value Set Autocal Enable Report Ch2 Bit Ch2 -EQU-HM1734WM1_A[7].0 12 Equal (U) Source A HM1734WM1_A[5] 1212831 Source B HM1734WM1 A[4] 100000 Set Average Sample Count (0 -255) sample_bit0 HM1734WM1_A[8].0 Local:1:O.Data[1].8 13 Set Average Sample Count (0 -255) sample_bit1 HM1734WM1_A[8].1 Local:1:O.Data[1].9 14 Set Average Sample Count (0 -255) sample_bit_2 HM1734WM1_A[8].2 Local:1:O.Data[1].10 15 Set Average Sample Count (0 -255) sample bit 3 HM1734WM1_A[8].3 Local:1:O.Data[1].11 16 Set Average Sample Count (0 -255) sample bit 4 HM1734WM1_A[8].4 Local:1:O.Data[1].12 17 Set Average Sample Count (0 -255) sample_bit_5 HM1734WM1_A[8].5 Local:1:O.Data[1].13 18

HM_1734WM_HR_DEVICENET:MainTask:HM1734WM_HR1 11/23/2009 3:33:48 PM Total number of rungs in routine: 21 ... SPIO\HM1734WM-2-HR\HM1734WM_2ch_HR_DeviceNet_R5.ACD Set Average Sample Count (0 -255) sample_bit_6 HM1734WM1_A[8].6 Local:1:O.Data[1].14 19 Set Average Sample Count (0 -255) sample_bit_7 HM1734WM1_A[8].7 Local:1:O.Data[1].15 20 Ⅎ Ŀ

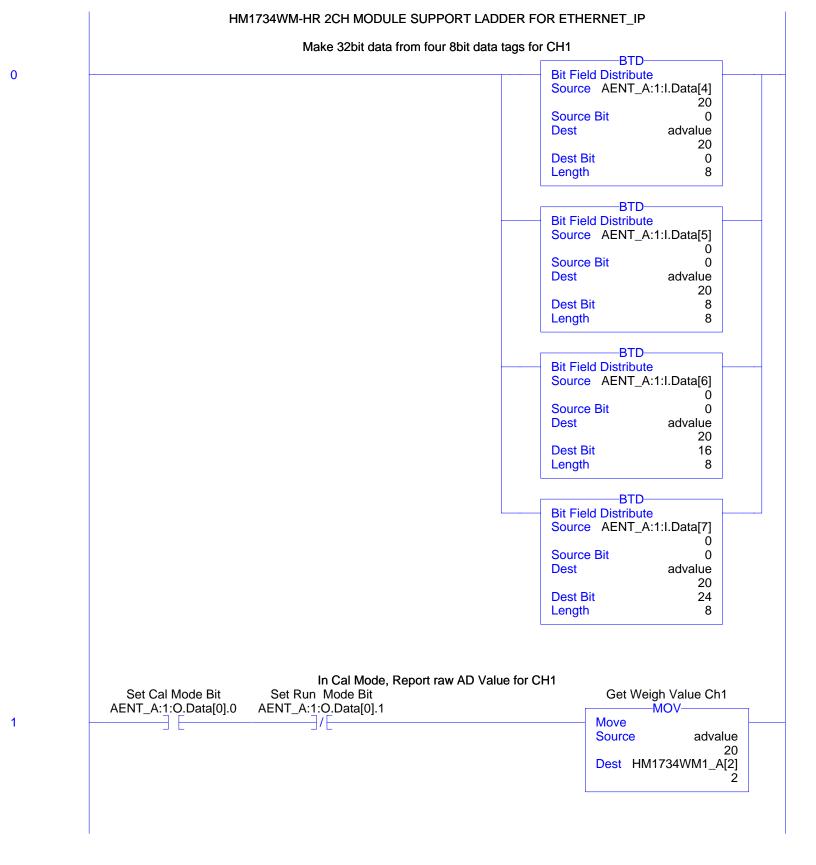
MainRoutine - Ladder Diagram

(End)

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12/18/2009 1:52:14 PM

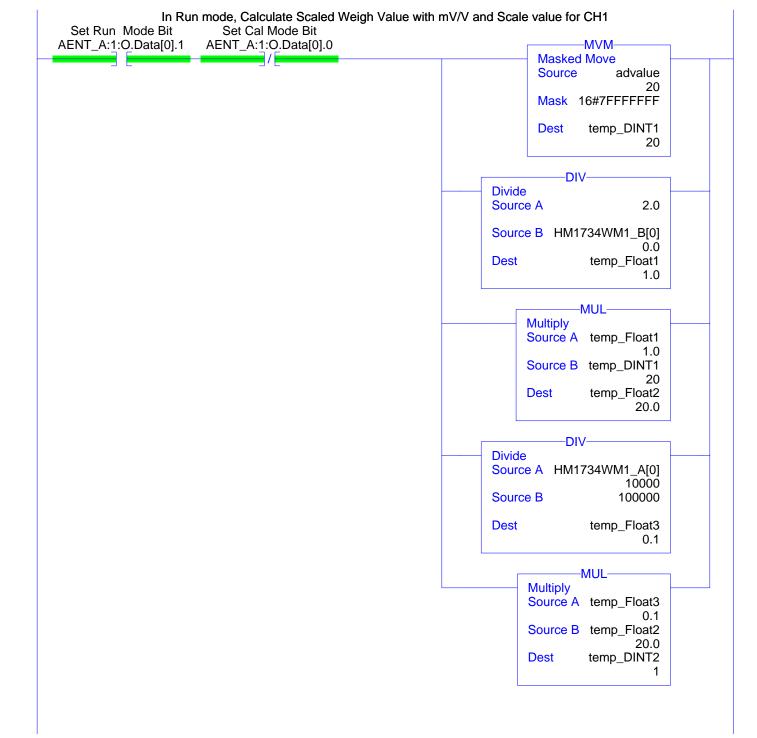
...SPIO\HM1734WM-2-HR\HM1734WM_2CH_HR_ETHER_IP_R7.ACD



12/18/2009 1:52:14 PM ...SPIO\HM1734WM-2-HR\HM1734WM_2CH_HR_ETHER_IP_R7.ACD

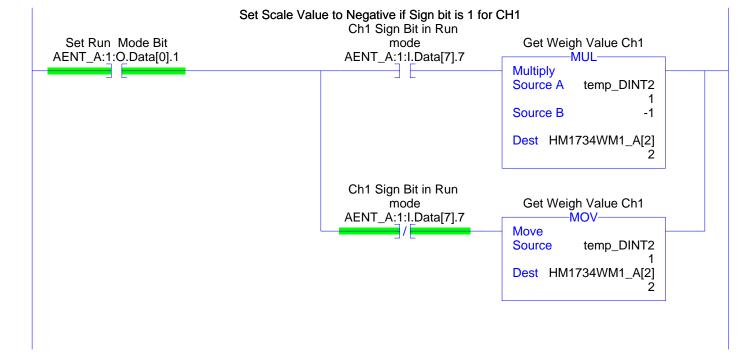
Total number of rungs in routine: 22

2



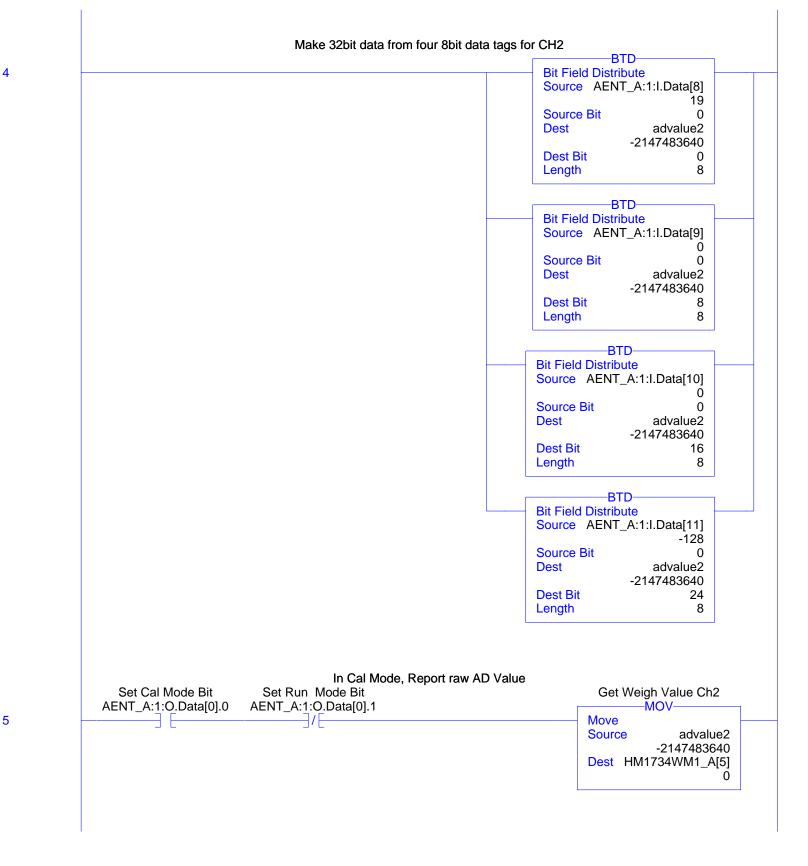
...SPIO\HM1734WM-2-HR\HM1734WM_2CH_HR_ETHER_IP_R7.ACD

Total number of rungs in routine: 22

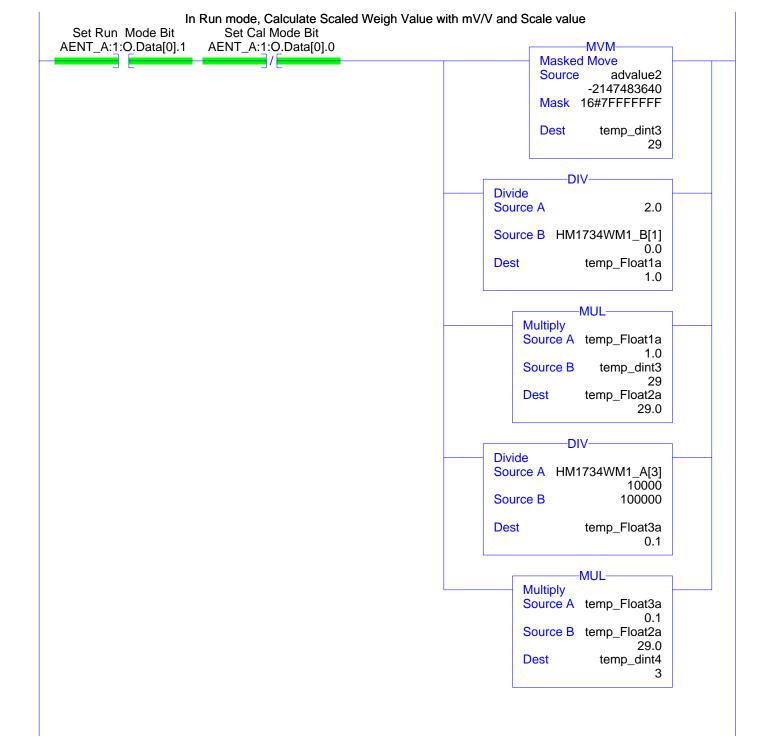


...SPIO\HM1734WM-2-HR\HM1734WM_2CH_HR_ETHER_IP_R7.ACD

Total number of rungs in routine: 22

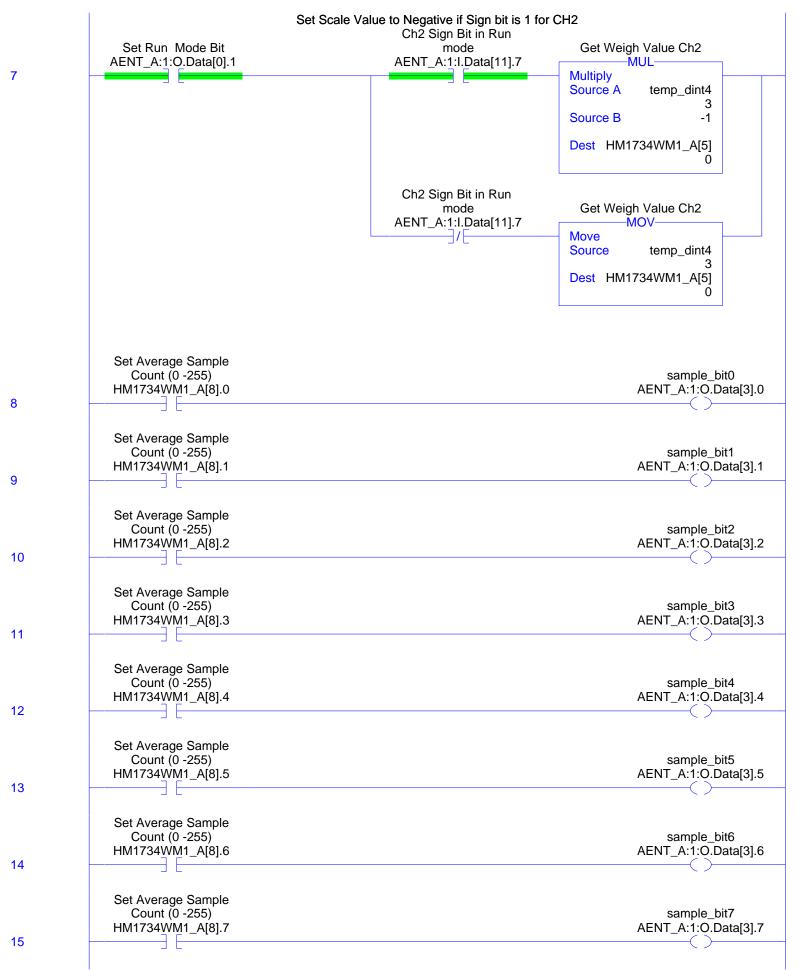


HM1734WM_HR_2CH_ETHER_IP:MainTask:HM1734W_HR1 Total number of rungs in routine: 22

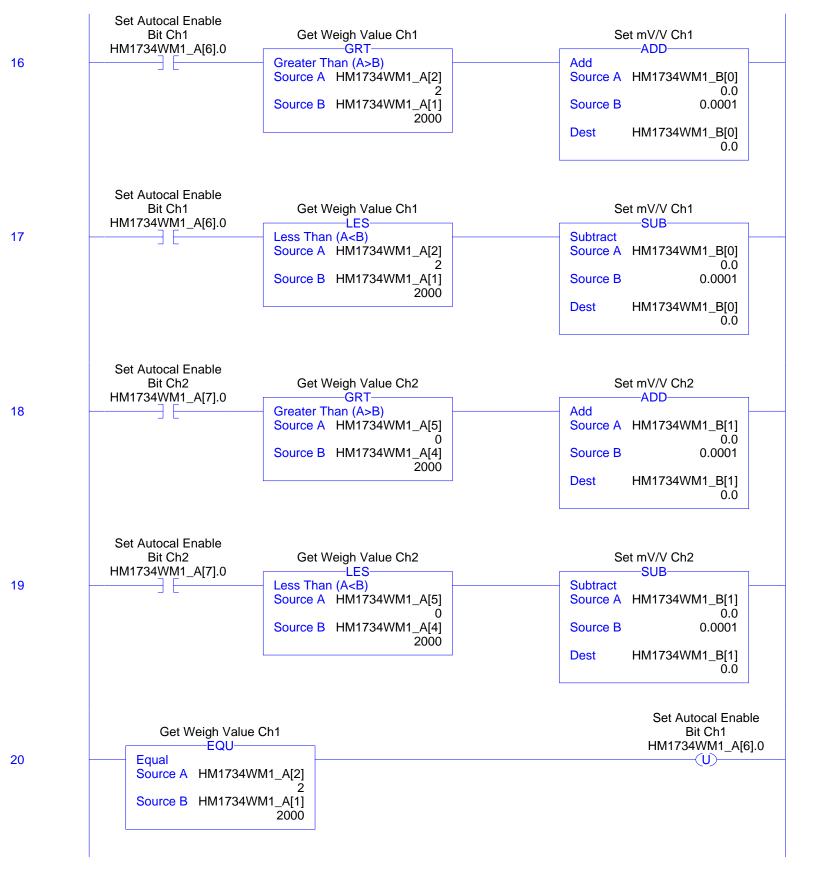


HM1734WM_HR_2CH_ETHER_IP:MainTask:HM1734W_HR1

Total number of rungs in routine: 22SPIO\HM1734WM-2-HR\HM1734WM_2CH_HR_ETHER_IP_R7.ACD



HM1734WM_HR_2CH_ETHER_IP:MainTask:HM1734W_HR1 Total number of rungs in routine: 22



MainRoutine - Ladder Diagram

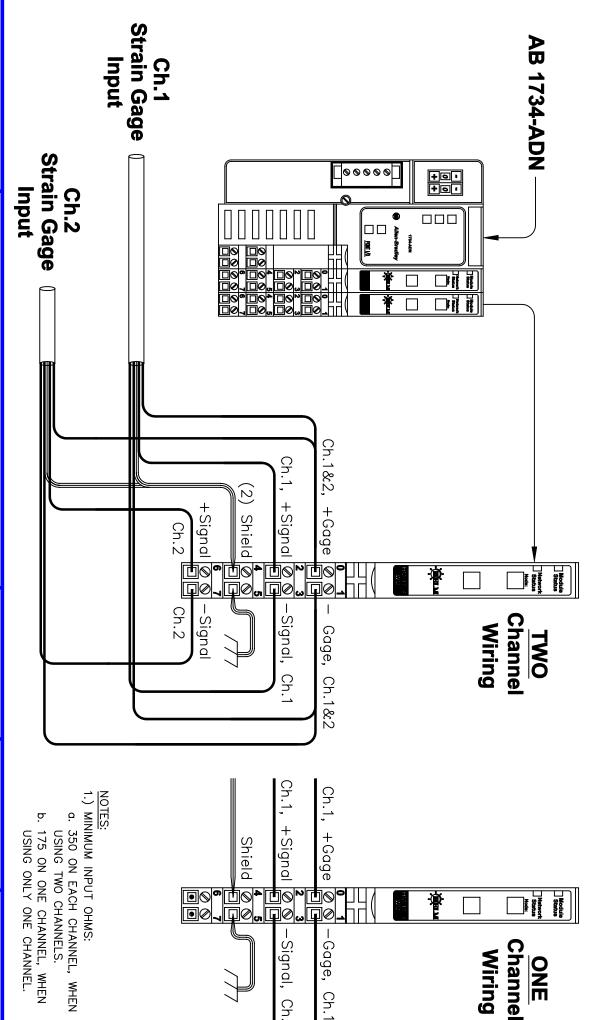
HM1734WM_HR_2CH_ETHER_IP:MainTask:HM1734W_HR1

12/18/2009 1:52:15 PM ...SPIO\HM1734WM-2-HR\HM1734WM_2CH_HR_ETHER_IP_R7.ACD

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Total number of rungs in routine: 22

HM-1734-WM Point I/O Sensor Connections





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SENSOR CONNECTIONS HM-1734-WM		-	"
CONNECTIONS HW-1734-WW (HEIN	9	DATE:	SCALE:
(HELN	SENSOR	05/30/09	FULL
D BY:	CONNECTION	снескер ву:	DESIGNED BY:
D BY:	IS. HM-17.	N.F.N.	N.F.N.
M.H.L. R.J.G.		APPROVED BY:	DRAWN BY:
	M)	R.J.G.	M.H.L.

REV.11.23.09.NFN DRAWING NUMBER: E1133W03B

DRAWER: