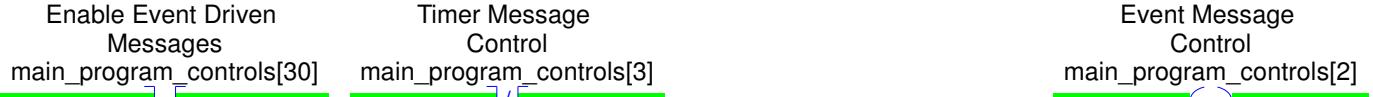
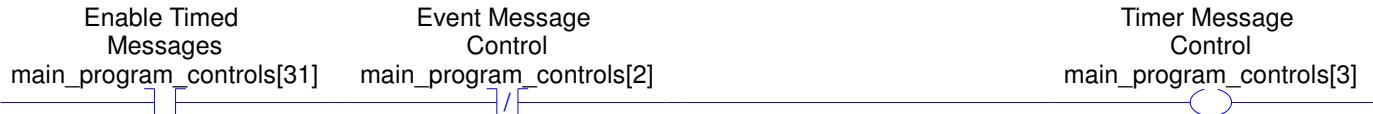


When this rung is enabled, the message transmissions are generated as quickly as possible based on a reply event.



When this rung is enabled, the message transmissions are on a fixed timebase.



Resets all counters and start values.

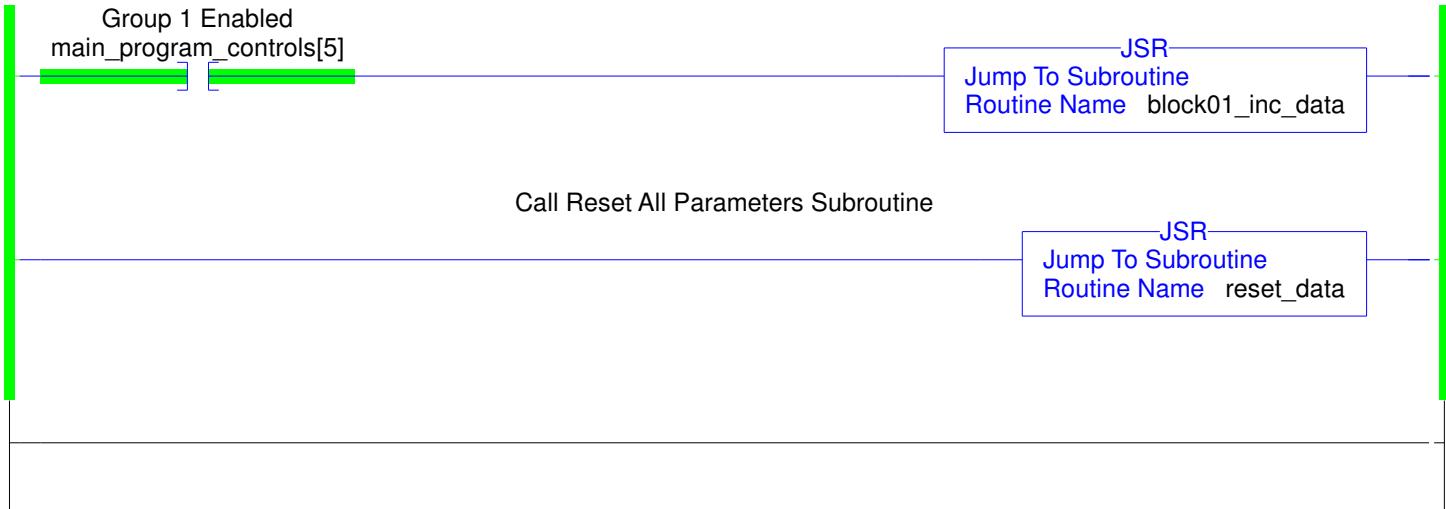


This rung calls a subroutine that reads PIN's 4864 through 4871 of a dw210 smarty2 at IP address 192.168.1.71 using a PLC Typed Read command (Allen-Bradley file addresses N29:000 through N29:007).

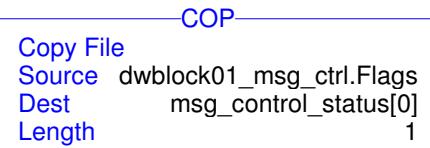


This rung calls a subroutine that writes PIN's 4352 through 4359 of a dw210 smarty2 at IP address 192.168.1.71 using a PLC Typed Write command (Allen-Bradley file addresses N27:000 through N27:007).

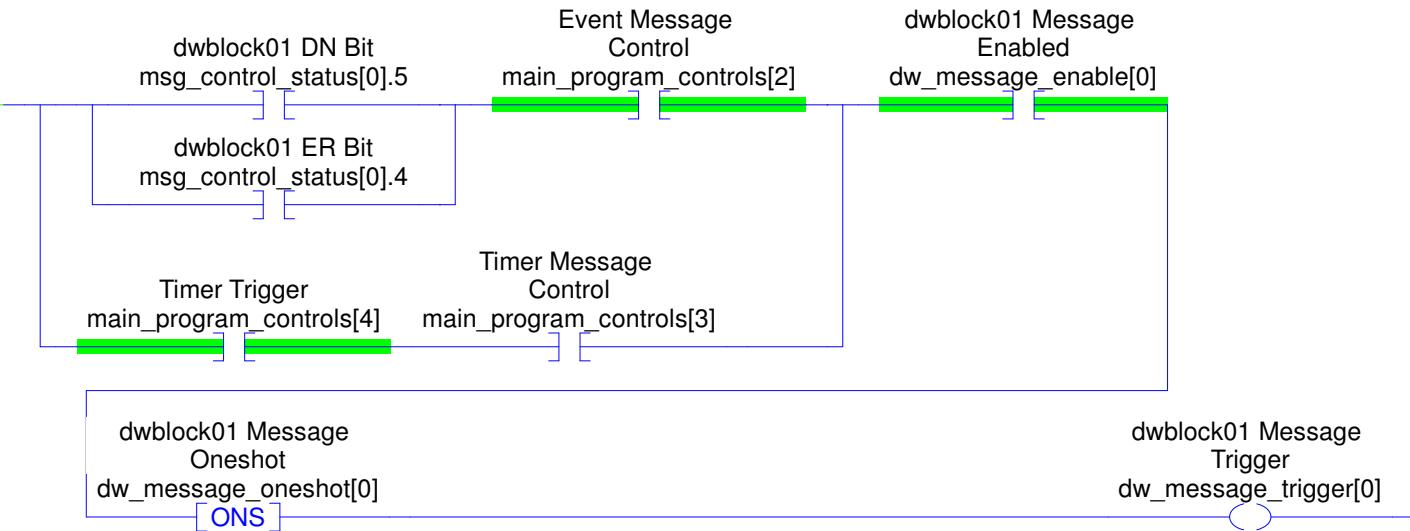




Copy the message block flags to another location per A-B recommendations. Message block flags are updated asynchronously to the scan of the processor.

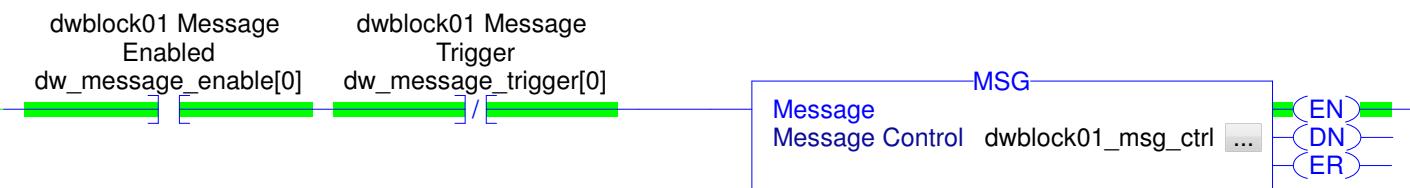


If enabled, this rung resets the dw210 read message block when a reply has been received. The message is complete when either the message block is done (DN) or an error occurs (ER).

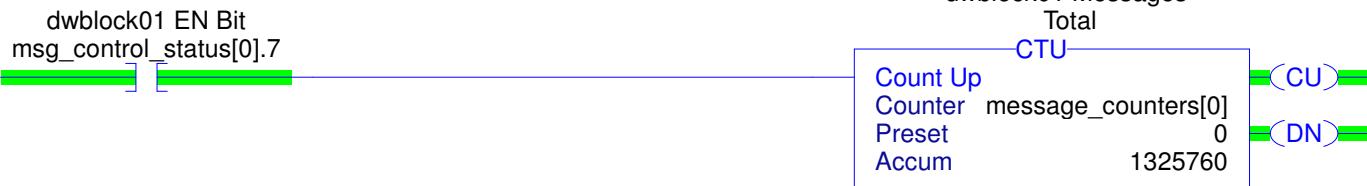


This rung generates the read message to the dw210 with the following setup:

Message Type: PLC5 Typed Read;
Source Element: N29:0;
Number of Elements: 8 (PIN's 4864 - 4871);
Destination Element: dwblock01_data [0];
Path: LocalENB,2,192.168.1.71.



This rung accumulates the total number of attempted read messages from the dw210 Parameters 4864 through 4871.



This rung accumulates the total number of successful read messages from the dw210 parameters 4864 through 4871.

dwblock01 DN Bit
msg_control_status[0].5

dwblock01 Messages

OK

CTU

Count Up

Counter

message_counters[1]

Preset

Accum

0

1325759

(CU)

(DN)

This rung accumulates the total number of failed read messages from the dw210 Parameters 4864 through 4871.

dwblock01 ER Bit
msg_control_status[0].4

dwblock01 Messages

Errors

CTU

Count Up

Counter

message_counters[2]

Preset

Accum

0

0

(CU)

(DN)

This rung resets the totals of the attempted, successful, and failed read messages from the dw210 Parameters 4864 through 4871.

dwblock01 Message
Counter Reset
dw_message_ctr_reset[0]

Reset All Message
Counters
main_program_controls[0]

dwblock01 Messages
Total
message_counters[0]

(RES)

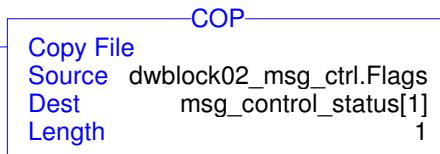
dwblock01 Messages
OK
message_counters[1]

(RES)

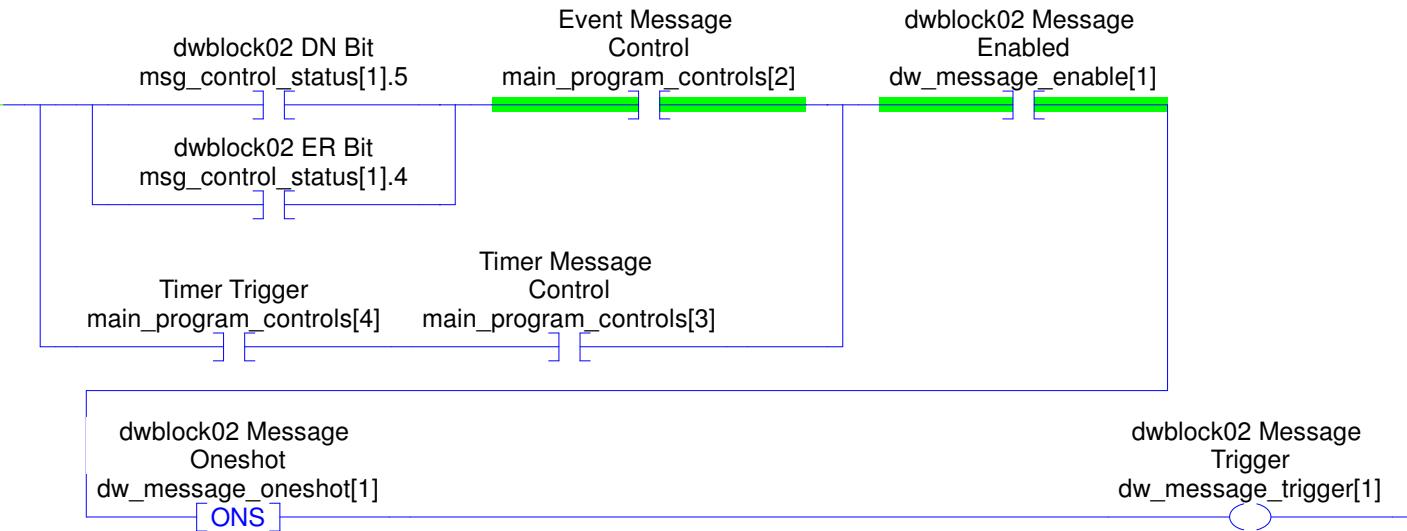
dwblock01 Messages
Errors
message_counters[2]

(RES)

Copy the message block flags to another location per A-B recommendations. Message block flags are updated asynchronously to the scan of the processor.

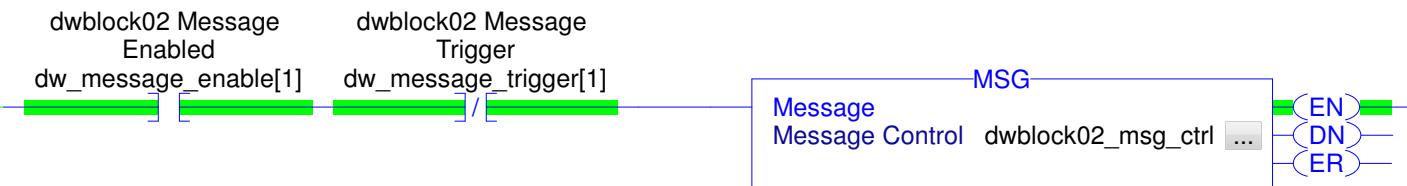


If enabled, this rung resets the dw210 read message block when a reply has been received. The message is complete when either the message block is done (DN) or an error occurs (ER).



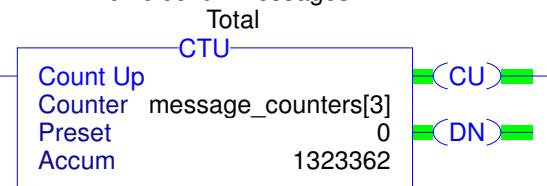
This rung generates the write message to the dw210 with the following setup:

Message Type: PLC5 Typed Write;
Source Element: N27:0;
Number of Elements: 8 (PIN's 4352 - 4359);
Destination Element: dwblock04_data [0];
Path: LocalENB,2,192.168.1.71.



This rung accumulates the total number of attempted read messages from the dw210 Parameters 4352 through 4359.

dwblock02 EN Bit
msg_control_status[1].7



This rung accumulates the total number of successful read messages from the dw210 parameters 4352 through 4359.

dwblock02 DN Bit
msg_control_status[1].5

dwblock02 Messages

OK

CTU

Count Up

Counter

Preset

Accum

message_counters[4]

0

1323361

This rung accumulates the total number of failed read messages from the dw210 Parameters 4352 through 4359.

dwblock02 ER Bit
msg_control_status[1].4

dwblock02 Messages

Errors

CTU

Count Up

Counter

Preset

Accum

message_counters[5]

0

0

This rung resets the totals of the attempted, successful, and failed read messages from the dw210 Parameters 4352 through 4359.

dwblock02 Message Counter Reset
dw_message_ctr_reset[1]

Reset All Message Counters
main_program_controls[0]

dwblock02 Messages Total
message_counters[3]

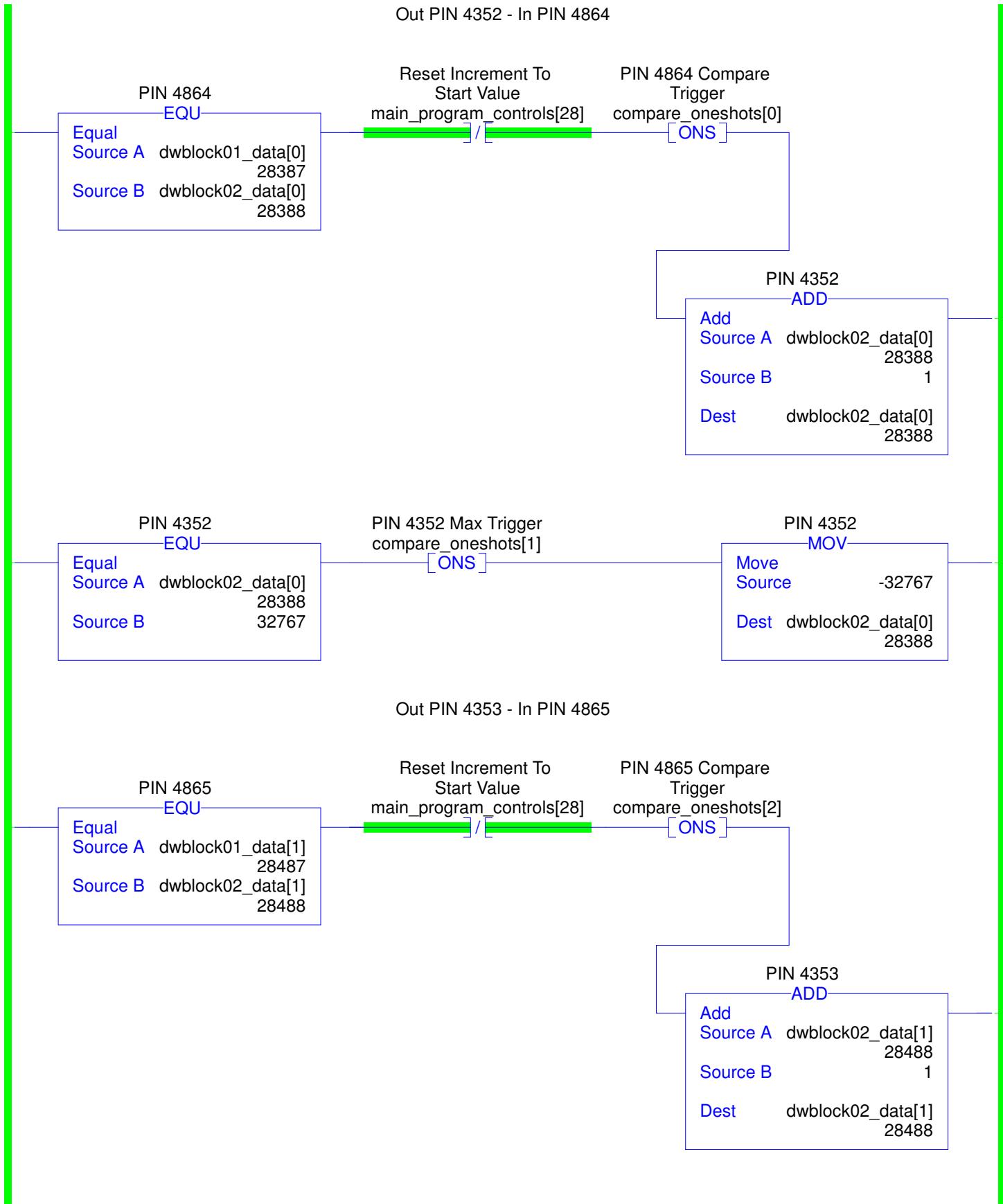
RES

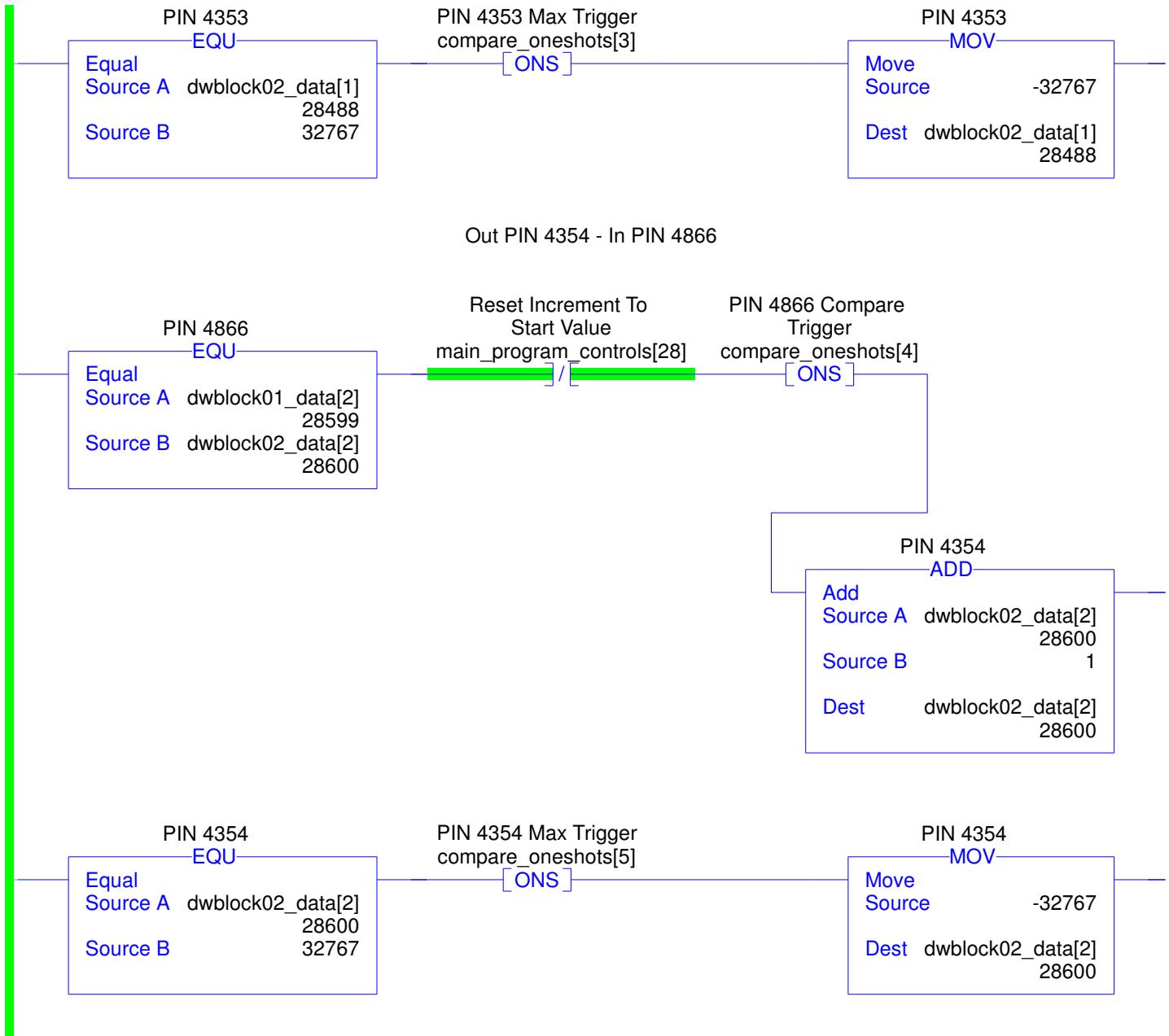
dwblock02 Messages OK
message_counters[4]

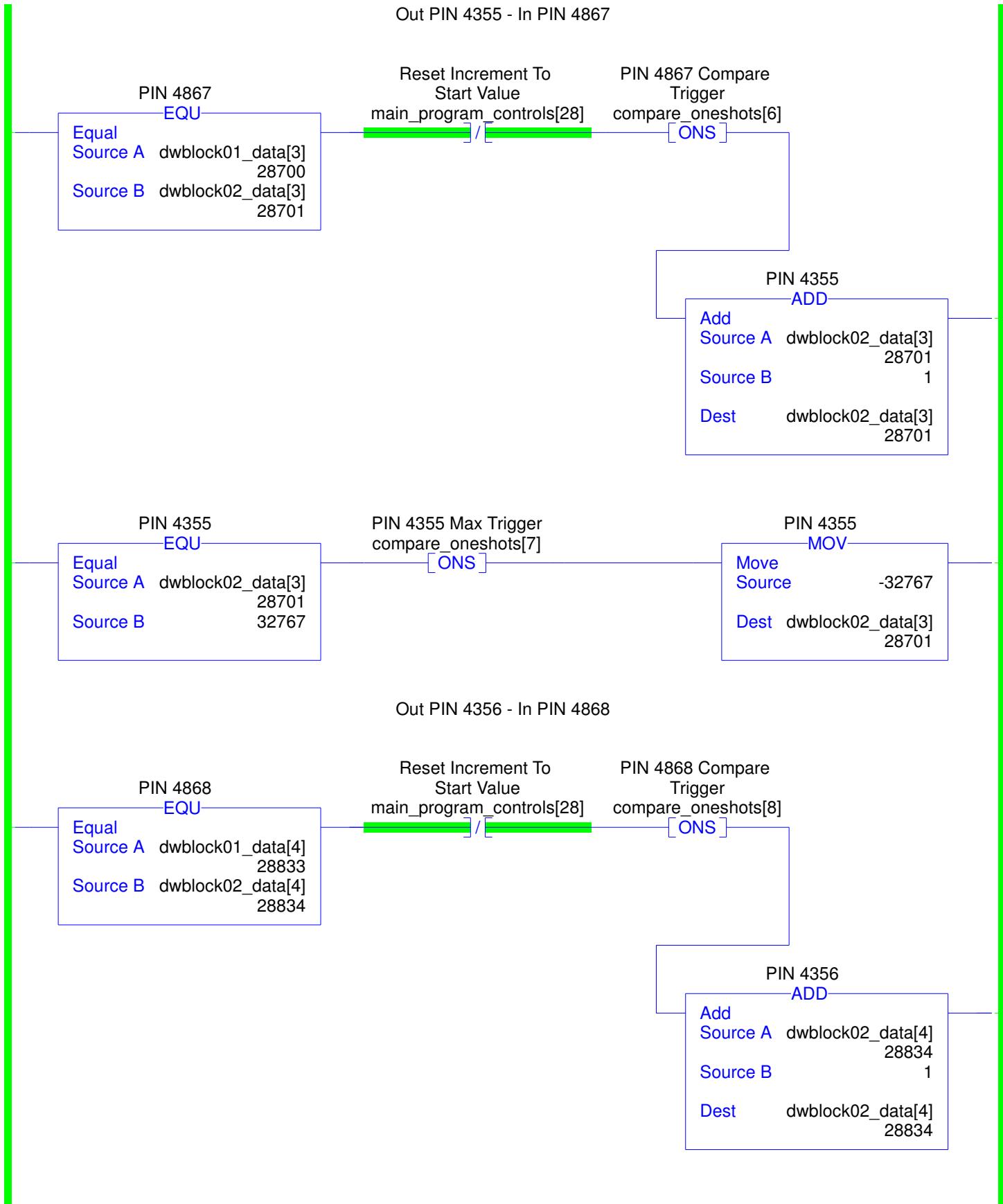
RES

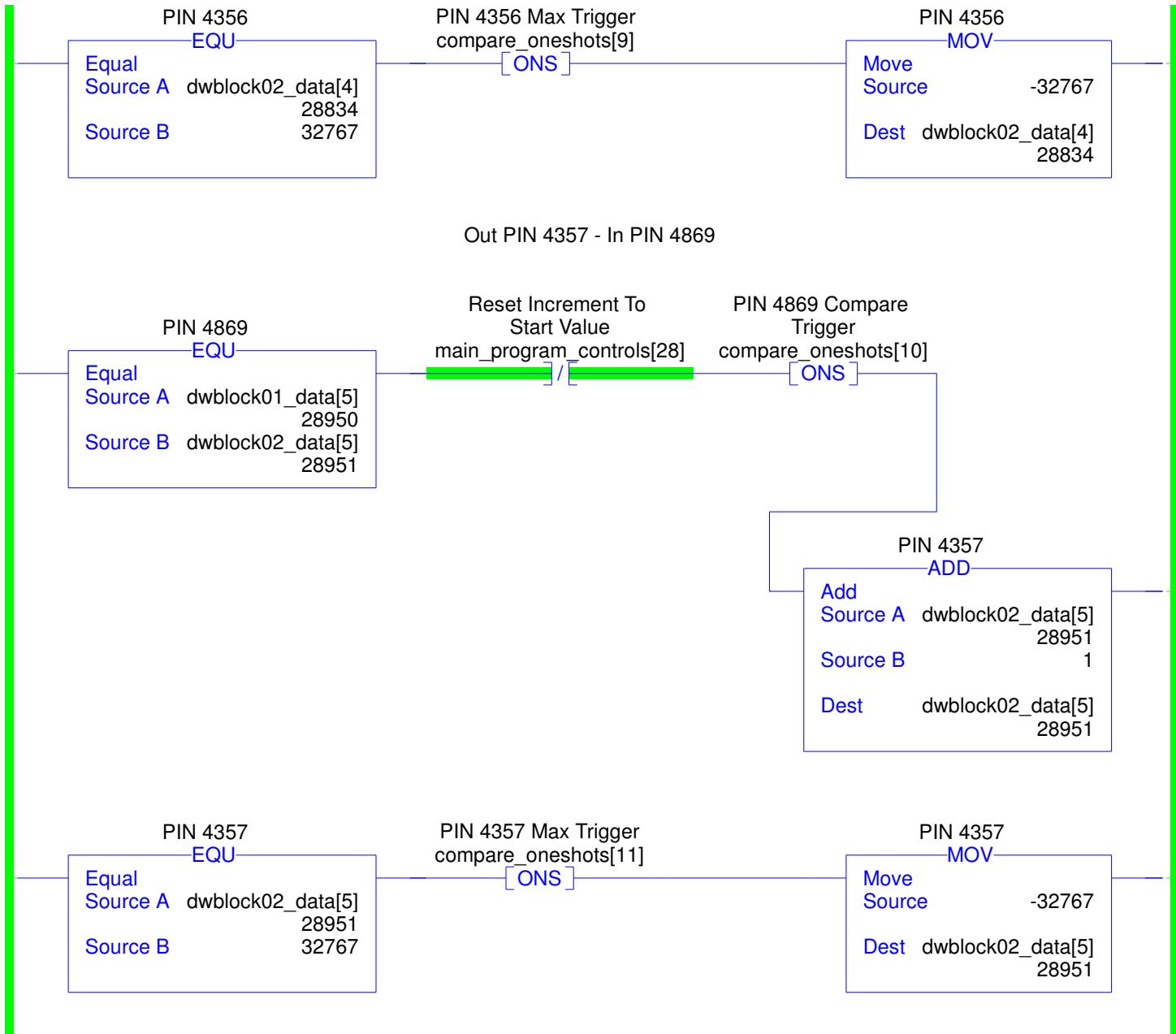
dwblock02 Messages Errors
message_counters[5]

RES









Out PIN 4358 - In PIN 4870

PIN 4870
EQU

Equal
Source A dwblock01_data[6]
29055
Source B dwblock02_data[6]
29056

Reset Increment To
Start Value

main_program_controls[28]

PIN 4870 Compare
Trigger

compare_oneshots[12]

[ONS]

PIN 4358

ADD

Add
Source A dwblock02_data[6]
29056
Source B 1
Dest dwblock02_data[6]
29056

PIN 4358
EQU

Equal
Source A dwblock02_data[6]
29072
Source B 32767

PIN 4358 Max Trigger
compare_oneshots[13]

PIN 4358

MOV

Move
Source -32767
Dest dwblock02_data[6]
29072

Out PIN 4359 - In PIN 4871

PIN 4871
EQU

Equal
Source A dwblock01_data[7]
29191
Source B dwblock02_data[7]
29190

Reset Increment To
Start Value

main_program_controls[28]

PIN 4871 Compare
Trigger

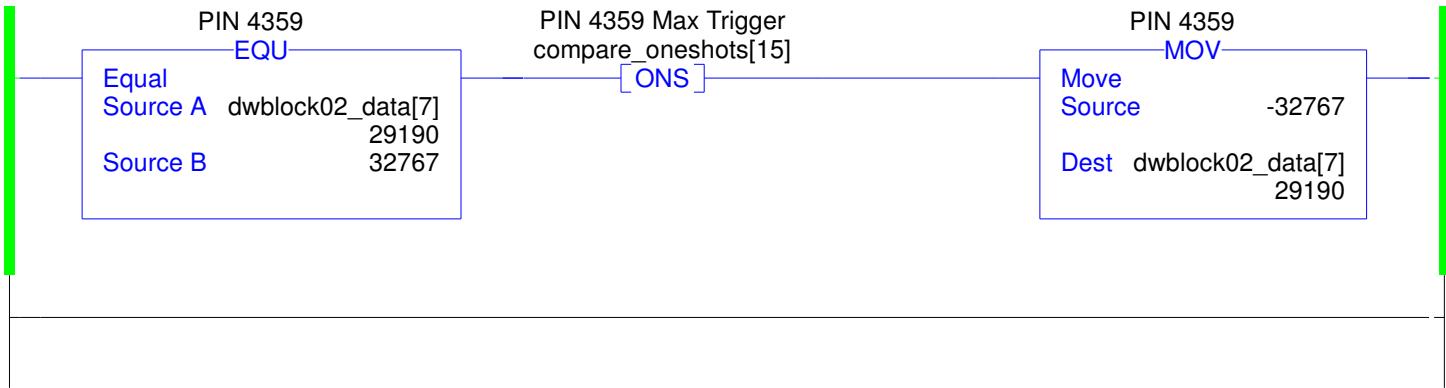
compare_oneshots[14]

[ONS]

PIN 4359

ADD

Add
Source A dwblock02_data[7]
29190
Source B 1
Dest dwblock02_data[7]
29190







Dest dwblock02_data[7]
18467