

Check sensors on switch 2 to make sure they are clear, if not set alarm bit 14 (switch not clear for change)

| OPTICAL_SENSOR 3 |  | ALARM CODES |
| :---: | :---: | :---: |
| I:0 | MEQ <br> Masked Equal | OR |
| 17 |  | Bitwise Inclusive OR |
| $\begin{gathered} 17 \\ \text { 1761-Micro } \end{gathered}$ | Source B3:21 $0000000000000000<$ | $\begin{array}{ll}\text { Source A } & \begin{array}{l}\text { B3:20 } \\ 0000 h<\end{array}\end{array}$ |
|  | Mask 0010h | Source B 16384 |
| OPTICAL SENSOR 4 | 16< | 16384< |
| I:0 | Compare 16 | Dest B3:20 |
| $\underset{16}{K}$ | 16< | 0000h< |
| $\stackrel{16}{\text { 1761-Micro }}$ |  |  |

Check sensors on switch 3 to make sure they are clear, if not set alarm bit 14 (switch not clear for change)


If any alarm codes present, skip routine

## ALARM CODES

| GRT |  |
| :--- | :---: |
| Greater Than $(\mathrm{A}>\mathrm{B})$ |  |
| Source A | B3:20 |
| $0000000000000000<$ |  |
| Source B | 0 |
|  | $0<$ |

## AUTOMATIC MODE

SEQUENCE RUNNING
I:0
1
1761-Micro
automatic mode, start timer to delay throwing switches


AUTOMATIC MODE

## ENABLE SWITCHES


start third timer
AUTOMATIC MODE

## DELAY AFTER THROW


energize track enable if delay timer is done, timing during throw, and not delayed return
DELAY ENABLE/DN


DN

ENABLE SWITCHES/TT
T4:21
TT

DELAY_AFTER THROW/DN
T4:22

DN

TRACK SWITCH ENABLE
O:0
4 1761-Micro
when all timers have expired, sequence is done, set bit

reset timer 21
SWITCH SEQ COMPLETE
ENABLE SWITCHES
B3:23
T4:21
RES
reset timer 22
SWITCH_SEQ COMPLETE
DELAY_AFTER_THROW
B3:23
T4:22
0015
0016

