COMMISSIONING GUIDELINE

ISC CAM V1.0

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SUPPORT DOCUMENTS

1. ISC CAM Electrical Schematics
2. ISC CAM Communication Interlocks
3. ISC CAM HMI Instructions
4. Application Functional Layout
5. Mechanical Drawing

ELECTRICAL CONNECTIONS

a. Connect 24VDC power supply to ISC CAM. M12 or M8 connector
b. Communication cable
    i. Ethernet (preferred)
    ii. Hardwire (discrete) if applicable
    iii. Verify that cables are tighten with the right torque to ensure IP rating
c. Verification
    i. Verify that the ISC boots up and the ISC CAM is ready to operate
        1. BUS: green, blinking 3 times
        2. ERR: green, continuously ON
        3. PWR: green, continuously ON

LED in RED indicates that there is failure. Check ISC CAM Troubleshooting document for details.

CONNECT TO VIRTUAL HMI

- See ISC CAM HMI instructions.
- Validate that the ISC CAM firmware is loaded
  [print screen of lower back of HMI]

ISC CAM COMMUNICATION

ISC CAM can work as stand-alone automate (internal mode) or receiving input from external devices

- Stand-one Automate
    i. No incoming communication. The ISC CAM will perform the tasks assigned.
- Hardwire Discrete I/O
    i. Direct connection to inspector or similar equipment.
    See Electrical schematics for connection point and Interlocks File for timing diagram.
    ii. Connection to PLC

    See Electrical schematics for connection point and Interlocks File for timing diagram and run/error signal exchange

- Ethernet (Preferred)
    i. See Electrical schematics for connection of the Ethernet and Interlocks File for data exchange and timing diagram.
    ii. LED ETH blinking green indicating communication running.
    iii. Import PLC block / address mapping for easier integration of the ISC CAM into the network.
    iv. Optional
        1. Define Line PLC actions to perform when receiving faults signals from ISC CAM.
        2. All parameters displayed in the virtual HMI of the ISC CAM are available on the network so they can be used for building additional HMI displays.
        4. Application Testing

INITIAL TEST RUN

Run products to validate that the ISC CAM performs the functionality required.

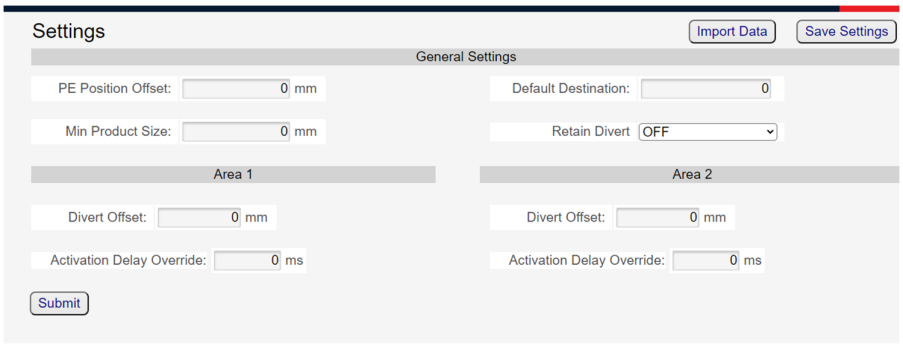
OPTIMISATION

Perform application optimization using the line PLC or using the virtual HMI.

PRACTICAL QUESTIONS

- Is the ISC CAM generating faults?
- Is the product trajectory as expected?
- Are the ISC CAM counter increasing in the “Life Info” and “Maintenance” pages?

BACK-UP

Once the commissioning is completed, create back-up of the “application settings”. Intralox recommends to the back-up the file

- In the Line PLC
- Export file using the Virtual HM, Setting page; add to the technical documentation package of the Intralox equipment and email the file to the Intralox.