

PANEL CONTROL SORTER

1. Description

Controls sorting mechanisms including diverters.

2. Functions

- Activates diverters to direct packages.

3. I/O and Signals

Signal Name	Type	Description	Panel
SORT_ACTIVATE_CMD	DO	Activate sorting arm	PANEL_CONTROL_RIO
SORT_FEEDBACK	DI	Sorter in position	PANEL_CONTROL_RIO

4. Interlocks & Safety

- Prevent sorting if jam detected

5. Dependencies

- Dependent on barcode scan & route decision

6. Alarms

Alarm ID	Condition	Message
A_SORT_01	Sorter not responding	"Sorter Fault"

7. HMI / Operator Interaction

- Sorter test mode
- Display sorter status