

COMPONENT DIVERTERS

1. Description

Mechanisms to route parcels to different destinations.

2. Functions

- Engage diverter arm to redirect flow

3. I/O and Signals

Signal Name	Type	Description	Panel
DIVERTER_ACTIVATE	DO	Activate diverter	PANEL_CONTROL_RIO
DIVERTER_POSITION_FB	DI	Confirm diverter position	PANEL_CONTROL_RIO

4. Interlocks & Safety

- Jam or fault inhibits diverter action

5. Dependencies

- Based on scanner or system routing logic

6. Alarms

Alarm ID	Condition	Message
A_DIV_01	Diverter stuck	"Diverter Jam"

7. HMI / Operator Interaction

- Manual diverter override
- Status indication