

PANEL AIR COMPRESSOR

1. Description

Controls pneumatic system for air-powered actuators.

2. Functions

- Maintains air pressure for pneumatic components.

3. I/O and Signals

Signal Name	Type	Description	Panel
AIR_PRESS_OK	DI	Air pressure good	PANEL_CONTROL_RIO
COMP_RUN_CMD	DO	Run compressor	PANEL_CONTROL_RIO

4. Interlocks & Safety

- Low air disables all pneumatic actuators

5. Dependencies

- Connected to diverters and labeler if pneumatic

6. Alarms

Alarm ID	Condition	Message
A_AIR_01	Air pressure too low	"Air Supply Fault"

7. HMI / Operator Interaction

- Air pressure reading
- Manual compressor override