

Instructions

Power Failure Alarm Panel

GENERAL

The *Power Failure Alarm Panel* is designed for use with AP50 and AP50 Plus autopilot systems. It provides both audible and visual alarms to indicate a failure or critical reduction in power to the autopilot. This type of alarm is mandatory on systems requiring wheelmark certification.

The panel can also be connected as an audible and visual repeater for the built in autopilot alarms. There is also a possibility for connection to a Central Alarm Panel.

Pushing the button will mute the audible alarm. The visual alarm will remain lit as long as the failure remains. The indication will cease if the alarm is cancelled on the autopilot. The alarm can also be muted from a Central Alarm Panel if connected.

Note: A power failure can only be cancelled by restoring power to the pilot.

INSTALLATION

The alarm panel is desk mounted (ref. figure 2 for cut-out) and fixed from front by the four enclosed screws.

Select a mounting location where a visual alarm on the panel not will disturb the operator's night vision!

Cable(s) should be fixed with the enclosed cable straps to spacers for the circuit board.

ELECTRICAL CONNECTION

Connect the Alarm Panel according to figure 1. The alarm supply must be independent of the autopilot supply.

If an external alarm is wanted for all autopilot faults in addition to the built in alarm, also connect the dotted "Alarm-" line.

TB2 and TB3 are for connection to a Central Alarm Panel.

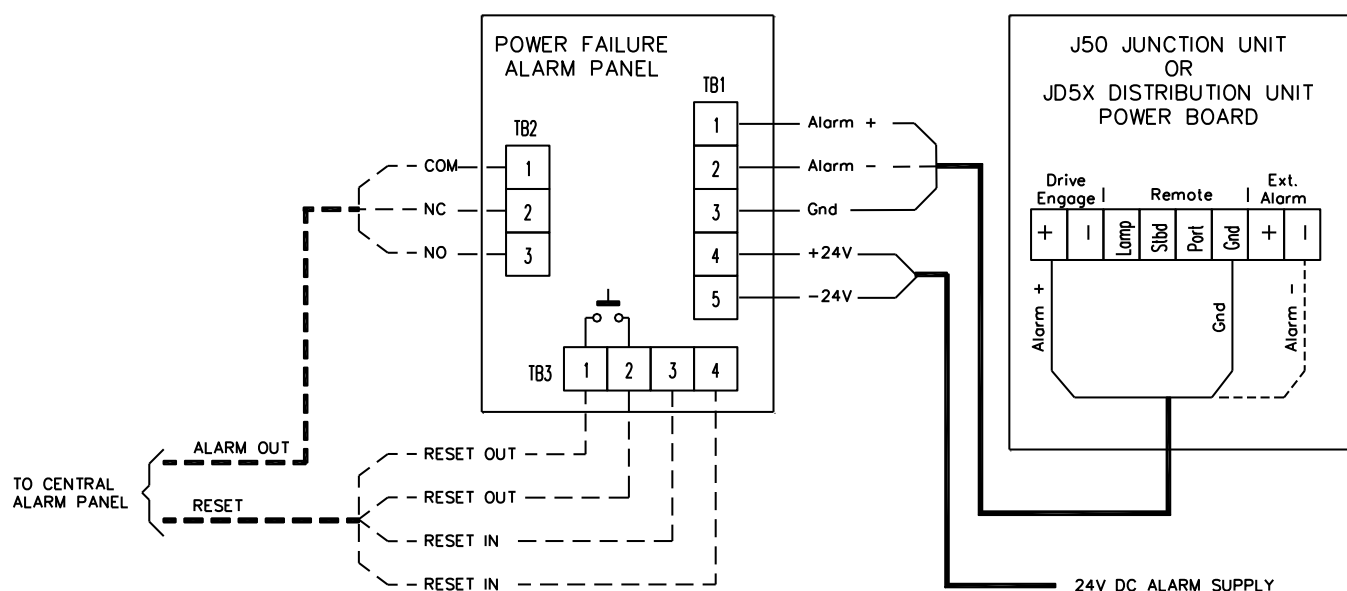


Figure 1 External Alarm Connections (Wheelmark System)

TECHNICAL SPECIFICATIONS

Dimensions: See figure 2
 Weight: 0.15 kg (0.33 lbs.)
 Material: Epoxy coated aluminum
 Alarm supply: 24VDC -10%/+30%
 Environmental Protection: IP44 from front when panel mounted
 Color: Black
 Temperature range:
 Operation: -15 to +55°C (+5 to +130°F)
 Storage: -30 to +70°C (-22 to +158°F)
 Mounting: Panel from front
 Alarm sound: Continuous between 75 and 85 dB(A) at 1 m
 Interface connection: Screw plug terminal list

