Penny & Giles – Product Support

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Document Title : Notes to support QAR Interfacing details on
 PS1127.XLS.
Equipment Affected : QAR, OQAR & PQAR
Part Numbers : (All models)
Classification : Information

Notes to support QAR Interfacing details on PS1127.XLS.

1. The Bi-Ø and Bipolar inputs on ARINC 404 units are paralleled within the QAR. Data type is pin-programmed as with ARINC 600 units.
2. D17666 Mod 02 - Data rate is fixed at 128 w/s (X2)
 D50046 - Data rate is fixed at 64 w/s (X1)
3. Link to 0V to invoke function.
4. Link to 0V to invoke function.
5. Link 51 to 52 (0V) to RUN.   All other units are permanently enabled (but note that no recording results in the absence of data).
6. Pin-programmable block sizes of 1536, 2304, 3072 and 4608 bytes, otherwise 2304 bytes only. Note that D51438-1, D51439-1, D51440-1 and D51441-1 default to 4608 bytes whereas D51434, D51434-1, D51442 and D51442-1 default to 2304 bytes.
7. D17666 Mod 02, contacts D6 and D5 are open circuit for Fail (with D5 connected to Ground).
 D50046 contacts D6 and D5 are open circuit for Fail.
 All other units, D5 connects to Ground for Fail and D5 connects to D6 for Pass.
8. Grounded when tape on track 4.
9. All variously named 0Vs are connected to a single star point on the chassis.
10. Only fitted to OQAR/PQAR D52000-X0XXX models.
11. Only fitted to OQAR D52000-60102 model.
12. SYNC Input not used in the OQAR/PQAR.
13. Connector Type A4 = ARINC 404A (½ATR Short), A6 = ARINC600-2 (4MCU).

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